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ABSTRACT

This directory lists programs and courses with an EVIST orientation, and other programs and courses related to EVIST as compiled from 2,000 questionnaires sent to educational institutions in all 50 states. EVIST-oriented programs are listed alphabetically by name of institution under two general categories: science, technology, and human values; and biomedical concerns. Programs are numbered sequentially, and for each the program name, institutional affiliation and address, program director, program description, affiliated courses, and program details are given, including the program scope, audience, date of initiation, and funding sources. EVIST-oriented courses are listed alphabetically by title under science, technology, and human values; environmental concerns; health care, behavioral, and life sciences; industry, commerce, and society; and public policy-making. For each course, the course title, name of instructor and department affiliation, institution and address, cross references to EVIST programs, course description, and other details are given. Programs and courses related to EVIST are listed alphabetically by title or program under science, technology, and society; environmental concerns; health care; and contemporary moral and ethical problems. For programs, the director's name, department, and institution are given; for courses, the department and institution are provided. (Author/MBR)

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EVIST
RESOURCE DIRECTORY

. . . a directory of programs
and courses in the field of

Ethics and Values in Science and Technology

IR 005 500

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American Association for the Advancement of Science
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Washington, D.C. 20036

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science/technology and human values
science/technology and the arts and humanities
science/technology and religion
methodologies of science/technology
professional ethics

stewardship of natural resources
global problems and strategies

social/philosophical perspectives of biomedical sciences
law, medicine, and the life sciences
biomedical ethics

industry, commerce, and society
computers/microelectronics
media/communications

science/technology and public policy
control of science/technology
role of scientists/engineers in policymaking
technology assessment/forecasting

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INTRODUCTION

Science and technology interpenetrate virtually all human activities and concerns--work, health care, law, religion, the arts and humanities, commerce and industry, natural resources, communications, social ethics, moral values, and public policymaking. Conversely, ethics and values permeate our endeavors in science and technology--biology, physics and chemistry, the medical sciences, the social and behavioral sciences, economics, the earth sciences, agriculture, engineering, environmental sciences, management and planning, and the information sciences.

The involvement of ethics and values in our practice of science and technology, historically a reality of timeless interest and curiosity, is the renewed and growing concern of a variety of scholars and practitioners. Higher education and public discussion today focus on the topic of ethics and values in science and technology (EVIST) with greater frequency and from apparently innumerable perspectives.

This EVIST Resource Directory is an effort to outline the landscape of current academic efforts in the area of EVIST. It is also a sketch of the scope of ideas which comprise the EVIST domain. Major topics, issues, concepts, and problems provide the organizing framework. This directory depicts a spectrum of efforts encompassing perennial issues and problems--science, technology, freedom and the nature of man--through current societal dilemmas and quandaries--genetic screening or environmental manipulation. There are nearly 120 programs and over 900 courses with EVIST orientation listed. Also, nearly 900 programs and courses related to EVIST are included. Over 500 institutions nationwide are represented in the directory.

The aim is to provide access to information about current EVIST programs and courses and to enable greater communication among persons involved or interested in EVIST, especially those who plan to develop new programs or courses. It is basically a directory of who is doing what in EVIST.

The directory is part of a continuing effort to describe scholarly interest in the field of science, technology, and society. In 1972 the staff of the Congressional Subcommittee on Science, Research and Development prepared a directory of science policy activities in North American universities (1). In 1974 Blanpied and Holton conducted a preliminary survey of college curricula which touched upon the interrelationships between science, technology, ethics, and values. Included was a compilation of scholarly and semi-popular literature published in these areas since 1968 (2). In 1976, Heitowit and Epstein compiled a listing of EVIST courses and programs throughout the U.S. (3). Their listing was the basis of the AAAS survey. Later in 1976, Heitowit, Epstein, and Steinberg prepared a guide to the field of science, technology, and society in the form of a comprehensive directory of teaching, research, and resources in the U.S. (4). And in 1977 Heitowit prepared a companion document which analyzes the current state of academic activities in the field of science, technology, and society (5).

In January and early February 1977 a questionnaire (see Appendix) was sent to the following groups of people: approximately 18,000 department heads (natural sciences, social sciences, humanities, engineering, law, medicine, philosophy, and theology) in all 50 states; approximately 300 scholars and institutions conducting EVIST programs and courses (reported in the Heitowit and Epstein listing of EVIST courses and programs); about 50 museums with education programs; and other people and organizations with possible interest in the area of EVIST (about 100). A copy of the Heitowit and Epstein listing of EVIST courses and programs (3) was included with the questionnaire to these people. Presidents and deans were informed of the survey by letter with a questionnaire and four-page excerpt of the Heitowit and Epstein listing. About 14,000 department heads were from 4-year colleges and universities and 4,000 from 2-year institutions. Approximately 1,600 presidents were from 4-year colleges and universities, 1,000 from 2-year colleges, and 400 from professional schools. The total number of deans was about 3,000.

Responses to the questionnaire were of three kinds in the following quantities: approximately 2,000 completed questionnaires (programs and courses), about 800 requests to be put on the mailing list, and approximately 150 responses indicating either no EVIST programs or courses, no interest in EVIST, or no desire to be on the mailing list.

Organization and Use of the Directory

The directory is composed of three lists: programs with EVIST orientation, courses with EVIST orientation, and programs and courses related to EVIST.

Programs are broader efforts than courses. They can involve research, development (instructional materials, resource materials, bibliographies, etc.), or teaching and communication (seminars, workshops, colloquia, courses, lecture series, debates, etc.)

The line between "EVIST-oriented" and "EVIST-related" is at best broad and fuzzy. Programs and courses *with an EVIST orientation* are those directed towards ethics and values in science and technology. Emphasis is on both the domain of ethics and values and the domain of science and technology, and the emphasis is explicit. In the completed questionnaires this emphasis on the intersection of two fuzzy sets appeared in either the title, the description, or the key words that were reported. Sometimes the major resources listed in the questionnaire gave further evidence of the specific emphasis of the course or program. In programs and courses *related to EVIST* the emphasis on both domains was either not explicit, or the emphasis lay primarily within one or the other--ethics and values or science and technology.

EVIST-oriented programs are listed alphabetically by name of institution under two general categories: (1) science, technology, and human values, and (2) biomedical concerns. Programs are numbered sequentially. For each program the following information is included:

- program name
- institutional affiliation and address
- program director
- description of program
- affiliated courses, if any (with cross references to list of courses)
- program details

Program details include the scope of the program (research, development, or teaching/communication), the audiences of the program, the year the program began, and the program's direct source of funds. Figure 1 illustrates this information.

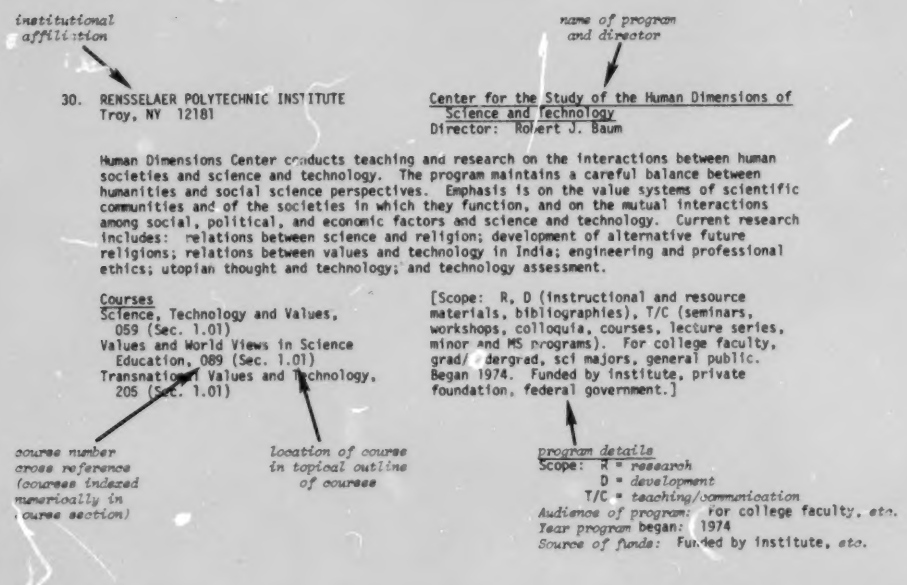
institutional affiliation
name of program and director
30. RENSSELAER POLYTECHNIC INSTITUTE
Troy, NY 12181
Center for the Study of the Human Dimensions of Science and Technology
Director: Robert J. Baum
Human Dimensions Center conducts teaching and research on the interactions between human societies and science and technology. The program maintains a careful balance between humanities and social science perspectives. Emphasis is on the value systems of scientific communities and of the societies in which they function, and on the mutual interactions among social, political, and economic factors and science and technology. Current research includes: relations between science and religion; development of alternative future religions; relations between values and technology in India; engineering and professional ethics; utopian thought and technology; and technology assessment.
Courses
Science, Technology and Values, 059 (Sec. 1.01)
Values and World Views in Science Education, 089 (Sec. 1.01)
Transnational Values and Technology, 205 (Sec. 1.01)
[Scope: R, D (instructional and resource materials, bibliographies), T/C (seminars, workshops, colloquia, courses, lecture series, minor and MS programs). For college faculty, grad/undergrad, sci majors, general public. Began 1974. Funded by institute, private foundation, federal government.]
course number cross reference (courses indexed numerically in course section)
location of course in topical outline of courses
program details
Scope: R = research
D = development
T/C = teaching/communication
Audience of program: For college faculty, etc.
Year program began: 1974
Source of funds: Funded by institute, etc.

Figure 1

EVIST-oriented courses are listed alphabetically by course title under each section in the topical outline on page 33. Courses are numbered sequentially from 001 through 919. For each course the following information is given:

- course title
- name of instructor(s) and department affiliation
- institution and address
- cross reference to EVIST program, if part of a program
- description of course
- course details

Figure 2 illustrates this information.

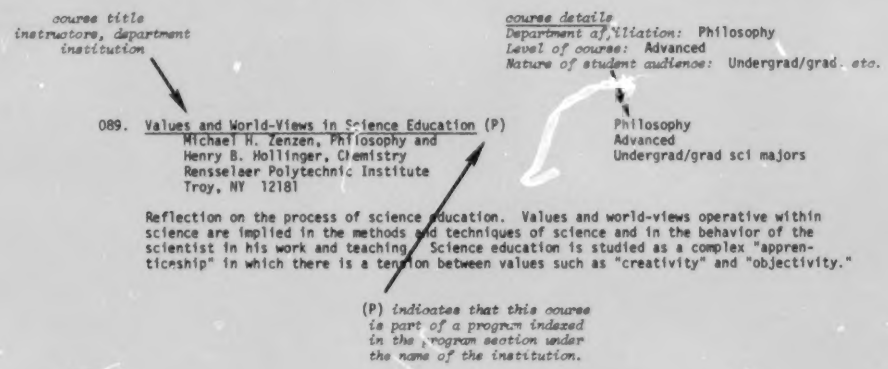
course title
instructors, department
institution
course details
Department affiliation: Philosophy
Level of course: Advanced
Nature of student audience: Undergrad/grad. etc.
089. Values and World-Views in Science Education (P)
Michael H. Zenzen, Philosophy and
Henry B. Hollinger, Chemistry
Rensselaer Polytechnic Institute
Troy, NY 12181
Philosophy
Advanced
Undergrad/grad sci majors
Reflection on the process of science education. Values and world-views operative within science are implied in the methods and techniques of science and in the behavior of the scientist in his work and teaching. Science education is studied as a complex "apprenticeship" in which there is a tension between values such as "creativity" and "objectivity."
(P) indicates that this course is part of a program indexed in the program section under the name of the institution.

Figure 2

Programs and courses related to EVIST comprise the third section of the directory. They are listed alphabetically by course title or program name under each section in the topical outline on page 183. Program names are underscored to distinguish them from courses. For programs, the program director's name and department and the institution are given; for courses, the department and institution are listed.

Acknowledgments

Several people contributed substantially to the compilation of this directory. My gratitude goes to each of them.

To Mary J. Brogan and C. Richard Gibson for their perceptive analyses of the many responses to the questionnaire, especially during the process of indexing the courses and programs. To Anne Swartz for her creative ideas in the development of the topical outlines, her endless typing and editorial duties, and her ever-watchful proofreader's eye. To Rosita Price for her patient assistance in preparing and proofreading the manuscript. To Catherine Cleare for her valuable comments early in the project. To Orin McCarley for her usual masterful editorial direction and guidance. And to Arthur Livermore for his overall guidance and direction throughout the project.

To the National Science Foundation we are especially grateful for providing the grant which made the preparation of this directory possible.

March 1978

Joseph M. Dasbach
AAAS, Office of Science Education

References

1. Subcommittee on Science, Research, and Development of the Committee on Science and Astronautics, U.S. House of Representatives, Teaching and Research in the Field of Science Policy --A Survey (Washington: U.S. Government Printing Office, 1973).
2. William A. Blanpied and Gerald Holton, The Ethical and Human Value Implications of Science and Technology: A Preliminary Directory Reviewing Contemporary Activity, June 1974. (Available from the Program on Public Conceptions of Science, Jefferson Laboratory, Cambridge, MA 02138.)

3. Ezra D. Heitowit and Janet Epstein, Listing of Courses and Programs in the Field of Ethical and Human Value Implications of Science and Technology, Program on Science, Technology, and Society, Cornell University, January 1976. (Available from AAAS, 1776 Massachusetts Avenue, N.W., Washington, DC 20036.)
4. Ezra D. Heitowit, Janet Epstein, and Gerald Steinberg, Science, Technology, and Society: A Guide to the Field (Program on Science, Technology, and Society, Cornell University, Ithaca, NY 14853).
5. Ezra D. Heitowit, Science, Technology, and Society: A Survey and Analysis of Academic Activities in the U.S. (Program on Science, Technology, and Society, Cornell University, Ithaca, NY 14853).

PROGRAMS WITH EVIST ORIENTATION

- SCIENCE, TECHNOLOGY, AND HUMAN VALUES
- BIOMEDICAL CONCERNS

PROGRAMS WITH EVIST ORIENTATION

SCIENCE, TECHNOLOGY, AND HUMAN VALUES

1. ALVERNO COLLEGE
Milwaukee, WI 53215

Valuing in Decision-Making Division
Director: Margaret Earley

Valuing in Decision-Making is one of eight outcomes explicitly defined and assessed in the Alverno learning process. It represents a systematic attempt to implement values education in the total college curriculum. Of six levels of student development in Valuing, level three explicitly focuses on the questions of technological change. Students examine how scientific developments influence the scope and consequences of responsible moral decision-making.

[Scope: R, D (instructional and resource materials, faculty development), T/C (courses, workshops). For undergrad, college faculty. Began 1973. Funded by college.]

2. BRANDEIS UNIVERSITY
Waltham, MA 02154

Science, Society and Ethics
Director: Prof. Schweber

Interdepartmental, consisting of lecture series about a value implication with science.

Course
Science and Ethics, 338 (Sec. 1.05)

[Scope: T/C (colloquia, lecture series). For college faculty, undergrad, general public. Began 1975. Funded by university and private foundation.]

3. CARLETON COLLEGE
Northfield, MN 55057

Science, Ethics and Public Policy
Director: Ian G. Barbour

Offers a series of interdisciplinary seminars on policy issues involving science and technology. The seminars deal with: normative and technical aspects of science policy decisions; the environmental, social and human consequences of technology; and priorities and political processes in the assessment and control of technology. Occasional workshops or symposia.

Courses
Environmental Ethics, 394 (Sec. 2.01)
Moral Problems in Medicine, 674 (Sec. 3.03)

[Scope: T/C (workshops, colloquia, seminars). For undergrad. Began 1974. Funded by college, private foundation, federal government.]

4. CARNEGIE-MELLON UNIVERSITY
Pittsburgh, PA 15213

Technology and Humanities
Director: Joel A. Tarr

Its mission is the development of interdisciplinary teaching and research in the area of technology and society. To accomplish this goal, it sponsors undergraduate interdisciplinary courses in the area of technology and society, graduate student research, seminar and lecture series, conferences, and visiting faculty.

[Scope: T/C (seminars, courses, lecture series). For college faculty, grad/undergrad, nonsci majors, engineering students. Began 1975. Funded by university and private foundation.]

5. CHICAGO CLUSTER OF THEOLOGICAL SCHOOLS
1100 East 55th Street
Chicago, IL 60615

Center for Advanced Study in Religion and Science (CASIRAS-CCTS-IRAS)
Director: Ralph Wendell Burhoe

The Center is affiliated with CCTS in cooperation with the Institute on Religion in an Age of Science (IRAS). It deals with the examination and interpretation of religion in the light of the sciences. The teaching program is at the moment listed as one seminar per quarter. The 500 courses are mostly attended by faculty.

Course
Advanced Seminar in Theology and the Sciences,264 (Sec. 1.03)

[Scope: R, D, T/C (seminars, workshops, colloquia, courses, lecture series, publications). For college faculty, grad, general public, med students, sci/nonsci majors. Began 1954. Funded mainly by voluntary activity (a few small grants and private gifts).]

6. CHRISTOPHER NEWPORT COLLEGE and the COLLEGE OF WILLIAM AND MARY
Newport News, VA 23606

Center for Science and Ethics in Public Policy
(Contact) Jane Webb

Programs have included workshops, symposia and seminars. Designed to teach techniques of formal descriptive ethics in order to analyze issues in public policy.

[Scope: D (instructional and resource materials), T/C (seminars, workshops). For the general public. Began 1973. Funded by college, federal government.]

7. CLARK UNIVERSITY
Worcester, MA 01610

Science, Technology, and Society (STS)
Director: Christoph Hohenemser

An interdepartmental program concerned with the evaluation of science and technology in a societal context. Courses are problem-oriented and multi-disciplinary, and form useful electives for students from many fields. May be taken as a major, preparing graduates for jobs in areas of energy policy, resource management, and environmental science.

[Scope: R, T/C (seminars, courses, workshops). For undergrad, sci/nonsci majors. Began 1973. Funded by university, private foundation, federal government.]

8. CLARKSON COLLEGE OF TECHNOLOGY
Potsdam, NY 13676

Concentration in Human Values in Technology
Director: Jerry Gravander, Humanities

A multi-disciplinary and interdepartmental teaching program which focuses on the interrelations of technology, society and human values. The core technology assessment course is interdisciplinary. The concentration's objective is to prepare science, engineering and management students to deal with the value issues of their professional practice.

Courses
Human Values in Technology, 016 (Sec. 1.01)
Science Fiction, 241 (Sec. 1.02)
Perspectives on Technology Assessment, 912 (Sec. 5.04)

[Scope: T/C (workshops). For undergrad, sci, engineering and management majors. Began 1976. Funded by college.]

9. CORNELL UNIVERSITY
Ithaca, NY 14853

Science, Technology, and Society
Director: Raymond Bowers

As well as other areas, STS is involved with courses, undergraduate major in Biology and Society, graduate Field of Public Policy, research topics including biomedical and environmental ethics, science and technology policy and the sociology of science.

Courses
Environmental Ethics, 396 (Sec. 2.01)
Religion, Ethics, and the Environment, 438 (Sec. 2.01)
Seminar in Environmental Values, 442 (Sec. 2.01)
Law and Medicine, 518 (Sec. 3.02)
Biomedical Ethics, 580 (Sec. 3.03)
Politics of Technical Decisions, 897 (Sec. 5.02)

[Scope: R, D (instructional and research materials, bibliographies), T/C (seminars, workshops, colloquia, courses, lectures, debates, film series). For college faculty, grad/undergrad, law students, general public. Began 1969. Funded by university, private foundation, industry, federal government.]

10. DARTMOUTH COLLEGE
Hanover, NH 03755

System Dynamics and Design and Research Program in Technology and Public Policy
Director: Dennis L. Meadows, Thayer School of Engineering

Designed to provide professional expertise in the use of System Dynamics and related Social System Analysis techniques. While methodological studies are conducted within the group, the emphasis of the faculty's research and of the formal course work is upon the identification, analysis and solution of specific socio-technical problems.

[Scope: R, D (instructional and research materials, bibliographies, T/C (workshops, courses). For grad/undergrad. Began 1972. Funded by college, private foundations, federal government.]

11. FRANKLIN AND MARSHALL COLLEGE
Lancaster, PA 17604

History and Philosophy of Science (HAPOS)
Director: Leslie J. Burlingame

The general purpose is to sensitize students and faculty to relationships between science and society and help close the gap between Snow's two cultures. Some courses are traditional history or philosophy of science but also stress interactions of science-society-values.

Courses
Problems in the History and Philosophy of Science, 036 (Sec. 1.01)
Utopias and the Idea of Progress, 084 (Sec. 1.01)

[Scope: T/C (courses, lecture series). For undergrad, med students, sci/nonsci majors. Began 1976-77. Funded by private foundations.]

12. FRANKLIN PIERCE LAW CENTER
Concord, NH 03301

Law-Science Program
Director: Robert Rines

There are four well integrated components: (1) courses and seminars in which the legal implications of science and technology figure prominently; (2) a considerable range of clinical and internship opportunities; (3) nontraditional and interdisciplinary research activities in which students may participate; (4) conferences in which Law Center students may attend and participate.

Course
Federal Regulation of Science and Technology, 891 (Sec. 5.02)

[R, D (instructional and resource materials, bibliographies), T/C (seminars, workshops, colloquia, courses, lecture series, debates, conferences). For faculty, grad, law students, general public. Began 1973. Funded by college, private foundation, industry, federal government.]

13. GRAND CANYON COLLEGE
Phoenix, AZ 85017

Science-Religion Departmental Seminar
Director: Erdie Morris

Discussions on pre-determined topics related to science-religion-ethics and attitudes.

[Scope: T/C (seminars, colloquia, lectures, debates). For college faculty. Began 1971. Funded by college, private foundation.]

14. ILLINOIS INSTITUTE OF TECHNOLOGY
Chicago, IL 60616

Center for the Study of Ethics in the Professions (CSEP)
Director: Ernest d'Anjou (Project Manager)

Primary goals are to encourage research in areas of ethics and professionalism, to build a major resource collection in the area, and develop curriculum materials. Also, to establish relationships among faculty, students and business and professional groups, and to serve as a clearinghouse for information on professional ethics.

Courses
Moral Issues in Engineering, 355 (Sec. 1.05)

[Scope: R, D (instructional and resource materials, bibliographies), T/C (colloquia, courses, lecture series). For college faculty, grad/undergrad, law students, sci/nonsci majors, general public, professional organizations, scholars from other institutions. Began 1976. Funded by anonymous restricted gifts.]

15. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
345 East 47th Street
New York, NY 10017

Committee on Social Implications of Technology (CSIT)
Director: J. Malvern Benjamin

CSIT is a committee of the Technical Activities Board of IEEE. It publishes a quarterly dealing with the technology-society interface, professional ethics and responsibility. It has cosponsored meetings, organized panels at general IEEE meetings, interacted with other IEEE groups on relevant questions (IEEE Engery Committee, U.S. Activities Board).

Courses
Seminar on Professional Ethics in Engineering, 359 (Sec. 1.05)
Technology and Society, 363 (Sec. 1.05)

[Scope: D (studies, proposals, critiques of IEEE activities), T/C (workshops, lecture series, publication of quarterly). For IEEE membership and some engineering students. Began 1971. Funded by IEEE general funds.]

16. IOWA STATE UNIVERSITY
Ames, IA 50011

Technology and Social Change
Director: A. A. Fouad

To create an awareness among faculty and students of the interrelationships between science and technology on the one hand and social change on the other; to initiate academic activities to explore these interrelationships.

Courses
Seminar in Technology and Social Change, 197 (Sec. 1.01)
Technology and Social Change in Foreign Cultures, 200 (Sec. 1.01)
Technology: International, Social and Human Aspects, 202 (Sec. 1.01)
Technology Transfer: Issues and Problems, 203 (Sec. 1.01)

[Scope: D (instructional and resource materials, bibliographies), T/C (seminars, workshops, courses, lectures). For grad/undergrad. Began 1972. Funded by university.]

17. LEHIGH UNIVERSITY
Bethlehem, PA 18015

Humanities Perspectives on Technology (HPT)
Director: Edward J. Gallagher

A broadly-based effort on the part of the faculty of the College of Arts and Science to foster undergraduate courses concerned with interrelationships among values, the quality of human life, and technological advances. Originally funded under a five-year grant from NEH, the program has created an undergraduate minor in Technology and Human Values by developing and drawing upon courses offered by numerous departments.

Courses
Technology and Human Values, 256 (Sec. 1.02)
Professional Development, 356 (Sec. 1.05)

[Scope: D (instructional and resource materials, bibliographies, curriculum development), T/C (seminars, workshops, colloquia, courses, lecture series). For undergrad. Began 1972. Funded by federal government.]

18. LYNCHBURG COLLEGE
Lynchburg, VA 24501

Science, Technology and Human Values
Director: Robert L. Frey

One of several programs composed of a sequence of courses which are designed to meet the general education requirements of undergraduates. Each theme is cross-disciplinary and focuses on problems, areas and fields not covered by a major program. Each theme aims primarily for breadth and integration.

Course
Introduction to Philosophy, 022 (Sec. 1.01)

[Scope: T/C (seminars, colloquia, courses, lecture series). For undergrad, sci/nonsci majors. Began 1974. Funded by college.]

19. MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Cambridge, MA 02139

Technology Studies Program
Director: L. Bucciarelli

Deals with the humanistic, historical, sociological, philosophical aspects of science, technology and society.

Courses
Understanding the Discovery Process--An Historical Approach, 327 (Sec. 1.04)
Medicine and Its Critics: A Study of Medical Practices as a Paradigm for Expert-Client Relations, 334 (Sec. 1.05)
Professions, 337 (Sec. 1.05)
Ethical Issues in Science and Engineering, 351 (Sec. 1.05)
Value, Choice and Risk in Modern Technology, 887 (Sec. 5.01)
Arms, Power and the Engineer, 906 (Sec. 5.03)
Seminar in Public Interest Science, 908 (Sec. 5.03)

[Scope: R, D (instructional, resource materials) T/C (seminars, workshops, colloquia, courses, lecture series). For grad/undergrad, sci, engineering majors. Began 1974. Funded by university, federal government.]

20. MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Cambridge, MA 02139

Technology and Policy Program
Director: Richard de Neufville, Engineering

Promotes careers in the development and implementation of policies for the productive use and control of technology. It is unique in the possibilities it affords for pursuing an educational program in this area from a strong basis in engineering and science. Students may work on problems of interest in any of the fields of technology. These cover a wide range, reflecting the concerns of faculty and staff at M.I.T.

Course
Technology and Policy Proseminars, 885 (Sec. 5.01)

[Scope: T/C (seminars, courses, lecture series). For grad, engineering majors. Began 1975. Funded by university, private foundations.]

21. MICHIGAN STATE UNIVERSITY
East Lansing, MI 48824

Group for the Analysis and Assessment of Technology (GAAT)
Director: Donald J. Montgomery

Analysis of current and proposed technological undertakings in order to assess societal impacts over all human goals, in the long range as well as the short range.

[Scope: R, T/C (seminars, colloquia, courses). For college faculty, undergrad. Began 1971. Funded by university.]

22. NEW MEXICO STATE UNIVERSITY
University Park, NM 88003

Social Implications of Computers
Director: J. Mack Adams, Computer Science

Delves into computers and society, privacy, freedom, control of citizens, control of information, security, human rights, human values.

Courses
Computers: Appreciation, Applications, Implications, 835 (Sec. 4.02)
Social Implications of Computers, 845 (Sec. 4.02)

[Scope: D (instructional materials, bibliographies), T/C (courses, innovative interdepartmental courses and colloquia). For grad/undergrad. Funded by university.]

23. NORTH DAKOTA STATE UNIVERSITY
Fargo, ND 58102

Center for Environmental Studies
Director: Harold Goetz

North Dakota State University, Moorhead State College and Concordia College (MSC and CC in Minnesota) form the Tri-College Center for Environmental Studies. The major purpose for its creation was the recognition by the three college faculties for the need for a coordinated effort to bring about a meaningful development of environmental education programs. Some courses offered are: Man in the Ecosystem, Resources of the World, Technology and the Environment, Environmental Ethics, Socioeconomics of the Environment, Environmental Decision Making, and Applied Environmental Analysis.

[Scope: R, T/C (workshops, courses, lectures). For nonsci majors. Began 1971. Funded by university.]

24. NORTHLAND COLLEGE
Ashland, WI 54806

Sigurd Olson Institute of Environmental Studies (SOIES)
Director: Bob Brander

The Institute works simultaneously at three levels--with regional and international planners to help them understand the values of the Lake Superior peoples; with people in the Lake Superior region to help them better understand the natural, social, political and economic web that confronts the planner; and with the Northland College community.

Courses
Man in Nature and Man and Nature in Literature, 230 (Sec. 1.02)
The Nature of Man and His Physical Environment, 234 (Sec. 1.02)

[Scope: T/C (seminars, workshops, courses, lecture series). For college faculty, undergrad, sci/nonsci majors, general public. Began 1971. Funded by private foundations and donations, state and federal government.]

25. OHIO UNIVERSITY
Athens, OH 45701

Center for the Study of Human Values
Director: L. A. Larson

Will provide an administrative base from which to work on investigating, elucidating, and communicating issues that could constitute a threat to human values.

Courses
Bioethics, 560 (Sec. 3.03)
Bioethics, Biology and Future of Man, 710 (Sec. 3.03)

[Scope: D (instructional materials), T/C (seminars, workshops, colloquia, courses, lectures). For faculty, undergrad, nonsci majors, general public. Began 1977. Funded by government.]

26. OKLAHOMA STATE UNIVERSITY
Stillwater, OK 74074

Moral Dilemmas of University Scientists Preparing Environmental Impact Statements
Director: Gordon Matzke, Geography

An interdisciplinary (nine disciplines) research project which is examining three case studies. It is attempting to isolate the particular value issues raised by the involvement of university scientists in the impact statement preparation process.

[Scope: R. For college faculty. Began 1976. Funded by federal government.]

27. PENNSYLVANIA STATE UNIVERSITY
University Park, PA 16802

Science, Technology and Society
Director: Robert J. Heinsohn

Program critically examines the impact of scientific investigation and technological development on society's values, priorities, and institutions, and alternatively, the influence human needs have upon science and technology.

Course
Technological Change and Human Values, 065 (Sec. 1.01)

[Scope: D (instructional materials, media courses), T/C (seminars, lecture series, courses, colloquia). For college faculty, grad/undergrad, nonsci majors, general public. Funded by university.]

28. PURDUE UNIVERSITY
West Lafayette, IN 47907

Science, Technology and Public Policy (STPP)
Director: Joseph Haberer

Teaching and research on the relationship between science, technology and society, particularly as it relates to its political and public policy interface. Among the areas covered are: science and government; technology and society, science, values and the humanities; the economics, funding and organization of science at various levels; regional and international aspects of science and technology policy; technology forecasting and assessment. Also included would be teaching and research in special sub-areas such as marine and ocean policy, environmental and resource policy, energy policy, bio-politics.

Courses
Man and His Environment
Politics of the Scientific Professions
Science and the City
Politics of Change, 867 (Sec. 5.01)
Science and Government, 871 (Sec. 5.01)
Science, Technology and Public Policy, 876 (Sec. 5.01)

[Scope: D (resource materials, bibliographies), T/C (courses, lecture series, newsletter). For college faculty, grad/undergrad. Began 1963.]

29. RAMAPO COLLEGE
Mahwah, NJ 07430

Science in Cultural Perspective (SCP)
Director: Bernard Langer, School of Theoretical and Applied Science

Deals with contemporary issues associated with science as a social and cultural institution. Many courses offered.

[Scope: T/C (seminars, colloquia, courses, lecture series). For college faculty, undergrad, sci/nonsci majors. Began 1974. Funded by college.]

30. RENSSELAER POLYTECHNIC INSTITUTE
Troy, NY 12181

Center for the Study of the Human Dimensions of Science and Technology
Director: Robert J. Baum

Human Dimensions Center conducts teaching and research on the interactions between human societies and science and technology. The program maintains a careful balance between humanities and social science perspectives. Emphasis is on the value systems of scientific communities and of the societies in which they function, and on the mutual interactions among social, political, and economic factors and science and technology. Current research includes: relations between science and religion; development of alternative future religions; relations between values and technology in India; engineering and professional ethics; utopian thought and technology; and technology assessment.

Courses
Science, Technology and Values, 059 (Sec. 1.01)
Values and World Views in Science Education, 089 (Sec. 1.01)
Transnational Values and Technology, 205 (Sec. 1.01)
Science Fiction: The Humanistic Base, 244 (Sec. 1.02)
Professional Ethics, 335 (Sec. 1.05)
Science, Engineering and Society, 358 (Sec. 1.05)
Human Dimensions of Biomedical Innovations, 487 (Sec. 3.01)
Life, Death and Human Experimentation, 632 (Sec. 3.03)
Man, Nature, and Industry in America, 815 (Sec. 4)
Science, Technology and Public Policy, 877 (Sec. 5.01)
Technology Assessment, 915 (Sec. 5.04)

[Scope: R, D (instructional and resource materials, bibliographies), T/C (seminars, workshops, colloquia, courses, lecture series, minor and MS programs). For college faculty, grad/undergrad, sci majors, general public. Began 1974. Funded by institute, private foundation, federal government.]

31. ROSE-HULMAN INSTITUTE OF TECHNOLOGY
5500 Wabash Avenue
Terre Haute, IN 47803

Center for Technology Assessment and Policy Studies (CTAPS)
Director: A. T. Roper

Goals are to: (1) Introduce students and faculty to concepts of technology assessment, (2) stimulate dialogue between technologists and humanists by demonstrating the necessity for cooperative efforts in the analysis and solution of societal problems, and (3) develop an awareness among undergraduates of the inextricable interdependence of science, technology and human values.

[Scope: R, D (instructional materials), T/C (seminars, workshops, courses). For undergrad, industrial personnel. Began 1973. Funded by private foundations.]

32. ST. OLAF COLLEGE
Northfield, MN 55057

Technology, Values and Social Change
Director: George Helling

Three phase program centered in behavioral science departments: (1) Research and writing in problem areas by interdisciplinary task forces of faculty, (2) an interim using that preparation in special courses, (3) a two-day symposium disseminating information and raising concern for faculty from nearby institutions.

[Scope: R, T/C (workshops, colloquia, courses, lecture series). For college faculty, undergrad, sci majors. Funded by college, federal government.]

33. SAN FRANCISCO STATE UNIVERSITY
San Francisco, CA 94132

Science and Humanities: A Program for Convergence (NEXA Curriculum)
Director: Michael S. Gregory, Humanities

NEXA seeks to bring humanities and science to a common historical focus, and to discover underlying continuities of value uniting the two domains. NEXA will eventually comprise 18 team-taught courses, involving scientists and humanists, and will constitute its own liberal arts curriculum. NEXA major and minor are available.

Courses
Cosmologies and World Views, 124 (Sec. 1.01)
The Newtonian Revolution, 134 (Sec. 1.01)
Split Brain/Split Culture? 139 (Sec. 1.01)
The Einsteinian Revolution, 211 (Sec. 1.02)
Literature, Arts and Physics, 225 (Sec. 1.02)
Man as Machine, 228 (Sec. 1.02)
Mythic and Scientific Thought, 302 (Sec. 1.04)

[Scope: D (instructional and resource materials, bibliographies, dissemination), T/C (seminars, workshops, colloquia, courses, lecture series, debates, national symposia). For college faculty, sci/nonsci majors, law and med students, general public, humanities and arts students. Began 1975. Funded by federal government.]

34. SOUTHERN ILLINOIS UNIVERSITY
Carbondale, IL 62901

Applied Personal and Social Values
Director: George McClure

A three-part program to acquaint faculty with value problems and decisions in medical, legal and communication areas; to prepare and teach three undergraduate courses relating humanities to careers via the value decisions involved, and a seminar for graduate students. Concerns theory and practice in the humanities, especially value judgment and criticism areas.

[Scope: D (instructional and resource materials, local professionals to help teach), T/C (seminars, workshops, courses). For undergrad.]

35. STANFORD UNIVERSITY
Stanford, CA 94305

Values, Technology and Society (VTS)
Director: Nathan Rosenberg

Studies ways in which technology affects and is affected by human values and social institutions in the contemporary world.

Human Values and Technological Society, 014 (Sec. 1.01)
Contemporary Technological Society, 095 (Sec. 1.01)
Technology and Musical Expression, 257 (Sec. 1.02)
Secularization, 292 (Sec. 1.03)
Philosophy of Technology, 317 (Sec. 1.04)
Energy and Society, 454 (Sec. 2.02)
Technology and Work, 825 (Sec. 4.01)
Information: The Communications Revolution in Contempoary Society, 852 (Sec. 4.03)

[Scope: R, T/C (courses). For grad/undergrad, college faculty. Began 1971. Funded by university.]

36. STATE UNIVERSITY OF NEW YORK
Stony Brook, NY 11794

Science, Technology and Society (Federated Learning Communities)
Director: Patrick Hill

An interdisciplinary program concentrating on the ethical, social and value impact of science and technology. Taught by faculty of six disciplines with an integrated curriculum.

[Scope: T/C (seminars, courses, tutorials). For college faculty, grad/undergrad. Began 1978.]

37. SUNY COLLEGE AT FREDONIA
Fredonia, NY 14063

International Dimensions of General Education
Director: William Muller, Political Science

An attempt to sensitize students to ethics and values in science and technology in foreign cultures and environments.

Courses
Values in a Technological Society, 090 (Sec. 1.01)
Medical Ethics, 652 (Sec. 3.03)
Administrative Ethics, 800 (Sec. 4.01)

[Scope: D (instruction and resource materials), T/C (seminars, lecture series, films). For college faculty grad/undergrad, sci/nonsci students, general public. Began 1975. Funded by federal government.]

38. UNIVERSITY OF CALIFORNIA
Irvine, CA 92717

Social Impacts of Computing
Director: Rob Kling, Information and Computer Science

A Ph.D. program within Computer Science that enables students to study and research the social impacts of computer technology.

Courses
Social Context of Computing, 844 (Sec. 4.02)
Social Issues and Impacts on Computing, 847 (Sec. 4.02)

[Scope: P /C (seminars, courses, research). For grads. egan 1974. Funded by university.]

39. UNIVERSITY OF CALIFORNIA, SAN DIEGO
La Jolla, CA 92093

Science, Technology and Public Affairs
Director: Herbert F. York

Study of the important social policy issues that lie at the intersection of science, technology and decision-making; social and political factors that condition technological and scientific development as well as impact of science and technology on the social order.

Courses
Technology and Human Values, 072 (Sec. 1.01)
Technology, Ecology, Morality, 077 (Sec. 1.01)
Senior Seminar in Science and Public Policy, 879 (Sec. 5.01)
Technology and Society, 88 (Sec. 5.01)
Arms and Arms Control, 889 (Sec. 5.02)

[Scope: R, T/C (seminars, courses). For grad/undergrad, sci/nonsci majors. Began 1974. Funded by university, private foundation.]

40. UNIVERSITY OF FLORIDA
Gainesville, FL 32610

Humanities Perspectives on the Professions
Directors: Gareth Schmeling and Ronald Carson, Center for Studies in the Humanities

Designed to bring perspectives from the traditional humanities to bear on the pre-professional education of students in medicine, law, engineering, business; issues considered are ethics, values, accountability, responsibility, rights, professional identity.

[Scope: D (resource materials, faculty development, T/C (seminars, courses). For undergrad. Began 1975. Funded by university, private foundation, federal government.]

41. UNIVERSITY OF HOUSTON
Houston, TX 77004

M.A. in Public Administration (MAPA)
Director: Paul J. Culhane, Political Science

One of the policy specialties (i.e., majors) within the MAPA program is Natural Resources Management. The policy issues of environmental management are all fundamentally ethical-value questions about the effects of science and technology.

[Scope: T/C (courses). For grad, nonsci majors. Began 1975. Funded by university.]

42. UNIVERSITY OF MICHIGAN
Ann Arbor, MI 48109

Humanities Department Lecture Series on Current Issues
Director: T. M. Sawyer (for 1977-78 series), Department of Humanities

A continuing series of lectures and public seminars dealing with the impact of technological development upon human values, and of society and values upon technological development. Objective is to stimulate debate on specific problems fundamental to society as a whole and to educational institutions.

[Scope: T/C (lecture series). For college faculty, grad/undergrad, general public. Began 1974. Funded by university.]

43. UNIVERSITY OF MICHIGAN
Ann Arbor, MI 48109

Science, Technology and Future Societies (STAFS)
Director: J. Mathes, Humanities, et al

This program, in the Department of Humanities, provides a mechanism for University of Michigan faculty and guest faculty to interact across disciplinary boundaries. This enables individual and cooperative basic research to be conducted in interdisciplinary science, technology, society and values areas.

Courses
Alternative Futures, 175 (Sec. 1.01)
Alternative Futures, 176 (Sec. 1.01)
Quest for Utopia, 239 (Sec. 1.02)
Science Fiction, 243 (Sec. 1.02)

[Scope: R, D (program design), T/C (colloquia). For college faculty. Began 1972. Funded by university.]

44. UNIVERSITY OF MISSOURI
Rolla, MO 65401

Social Factors in Technology
Director: H. J. Eisenman, Social Science

Attempt to bring together students and faculty from the social sciences and engineering areas to determine through teaching and research efforts the interrelationships between science and technology.

Course
Science in American Society, 902 (Sec. 5.02)

[Scope: T/C (courses). For undergrad. Began 1976-77. Funded by university.]

45. UNIVERSITY OF NORTH CAROLINA
Charlotte, NC 28223

Liberal Engineering
Director: R. J. Coleman, Engineering

To respond to the concern of students not majoring in engineering, about important social and environmental problems resulting from present and future changes in technology.

[Scope: T/C (courses, lecture series). For undergrad, nonsci majors. Began 1971. Funded by university.]

46. UNIVERSITY OF NOTRE DAME
Notre Dame, IN 46556

Values in the Electric Power Industry
Director: Kenneth M. Sayre, Philosophic Inst.

Analysis of decision-procedures in electric power industry, with focus on role of social and environmental values therein.

[Scope: R. For college faculty, general public, power industry executives. Began 1973. Funded by federal government.]

47. UNIVERSITY OF OKLAHOMA
Norman, OK 73019

Judeo-Christian Ethics and Contemporary Issues in Science
Director: Tom. W. Boyd, Philosophy

Predicated on an analysis of current debate on Jewish and Christian ethics, the course turns to current issues in science. The questions raised have to do with how science impacts religiously based ethics and how those ethics may inform scientific issues.

Courses
Science and Ethics, 040 (Sec. 1.01)
Science and Human Values, 047 (Sec. 1.01)
Technology and Virtue, 142 (Sec. 1.01)
Technology and Human Values, 445 (Sec. 2.01)
Medical and Business Ethics, 542 (Sec. 3.03)

[Scope: T/C (seminars, lecture series). For undergrad, nonsci majors. Began 1973. Funded by university.]

48. UNIVERSITY OF OKLAHOMA
Norman, OK 73019

Science and Public Policy
Director: Don E. Kash

This program was established for the purpose of conducting interdisciplinary technology assessments. There are presently nine research fellows representing the disciplines of political science, geography, economics, biology, and engineering each of whom has a joint appointment with this program and an academic department. Four major research projects have been completed.

[Scope: R, D (resource materials, bibliography), T/C (courses). For college faculty, grad/undergrad. Began 1970. Funded by university, federal government.]

49. UNIVERSITY OF THE PACIFIC
Stockton, CA 95211

Technology and Society
Director: Robert R. Orpinela, Raymond College

An assessment of the social and value implications of technology.

Courses
Values and Natural Science, 144 (Sec. 1.01)
Social Science, Ethics, and Policy, 880 (Sec. 5.01)

[Scope: T/C (seminars, workshops, internships, courses. For undergrad, sci/nonsci majors, law students. Began 1977. Funded by university.]

50. UNIVERSITY OF SAN FRANCISCO
San Francisco, CA 94117

Natural Sciences Interdisciplinary Program
Director: Raymond Genollo, Harney Science Center

Explores interaction between ideas of science, human values, and cultural impact. Achieves an understanding of science in its own integrity, processes of creativity, and relation to human goals. Examines science and technology and their social implications.

Course
Technology Culture and the Human Prospect, 191 (Sec. 1.01)

[Scope: T/C (courses). For undergrad, sci/nonsci majors. Began 1968. Funded by university, federal government. For undergrad.]

51. UNIVERSITY OF WASHINGTON
Seattle, WA 98195

Social Management of Technology
Director: Edward Wenk, Jr.

The program was founded as a problem-oriented, intercollege, interdisciplinary effort, focused on technology-intensive public policy. Its establishment is focused on: (1) a need for enhanced technological literacy among those living in a modern industrial society; and (2) a need for an increased awareness among scientists and engineers of social processes and cultural values that must be considered in technology application.

[Scope: R, T/C (seminars, lecture series, courses, workshops). For grad/undergrad. Began 1973. Funded by university, private foundation, federal government.]

52. UNIVERSITY OF WISCONSIN
Green Bay, WI 54302

Freshman University Seminars Program (USP)
Director: Julie Brickley

Part of the core program required for all undergraduates. Students choose four seven-week modules taught by faculty members from all areas of the university. The emphasis in each module is on the values which are both implicit and explicit in the solution of a particular contempoary problem.

Courses
Social Consequences of Human Evolution, 443 (Sec. 2.01)
Resource Utilization and the American Character, 473 (Sec. 2.02)
Technology and Human Values, 738 (Sec. 3.03)
Technology and Human Values, 904 (Sec. 5.02)

[Scope: T/C (seminars, workshops, debates). For undergrad, nonsci majors. Began 1969. Funded by university.]

53. UNIVERSITY OF WISCONSIN
Green Bay, WI 54302

Humanism and Cultural Change (HCC)
Director: Irwin Sonenfield

Involves an interdisciplinary faculty dealing, at the introductory level, with the general scope of humanistic ideas and achievements. At the upper level, there are two basic areas: humanistic ideas and achievements in historical perspective and through critical studies, and also humanistic ideas and achievements related to specific individual, cultural and social problems.

Course
Foundations of Knowledge in the Cultural and Natural Sciences, 212 (Sec. 1.02)

[Scope: T/C (colloquia, courses). For undergrad nonsci majors. Began 1969. Funded by university.]

54. UNIVERSITY OF WISCONSIN
Green Bay, WI 54302

Senior University Seminars
Director: Lawrence Chenoweth

Interdsciplinary program consisting of seminars analyzing enduring problems of self and society as they relate to contemporary ecological, cultural, ethical, scientific and political concerns. Program emphasizes complexity of such concerns and alternatives to contemporary problems. All university requirement for seniors.

Courses
The Scientist and Social Responsibility, 341 (Sec. 1.05)
Culture, Life Style and Science in a No-Growth World, 450 (Sec. 2.02)
Overcoming World Hunger--Policies and Strategies for Action, 468 (Sec. 2.02)

[Scope: T/C (seminars). For undergrad. Began 1969. Funded by university.]

55. UNIVERSITY OF WISCONSIN
Madison, WI 53706

Institute for Environmental Studies (IES)
Director: Reid Bryson

An interdisciplinary unit that combines a rigorous environmental curriculum with a comprehensive research program. IES's Instructional Program offers courses and administers graduate degree programs in Land Resources, Oceanography and Limnology, Environmental Monitoring, and Water Resources Management.

Courses
Environmental Ethics, 401 (Sec. 2.01)
Environmental Studies: The Humanistic Perspective, 411 (Sec. 2.01)
Man in the American Environment, 429 (Sec. 2.01)
Science and Government, 900 (Sec. 5.02)

[Scope: R, D (instruction and resource material, bibliographies), T/C (seminars, workshops, colloquia, courses, lecture series). For college faculty, grad/undergrad, sci/nonsci majors. Began 1970. Funded by private foundation, industry, state and federal government.]

56. UNIVERSITY OF WISCONSIN
Madison, WI 53706

Man, Technology and Society
Director: Edward E. Daub, Engineering

Program develops courses which relate engineering to the social sciences and humanities. The courses give the engineering student an opportunity to gain a perspective on technology through liberal studies courses. They also provide the nonengineer the opportunity to understand the role of technology.

Courses
Technology, Values and Changing Life-Styles, 079 (Sec. 1.01)
Ideas of Race in Science and Society, 131 (Sec. 1.01)
History of the American Engineer, 163 (Sec. 1.01)
Technology and Public Policy in Developing Countries, 199 (Sec. 1.01)
Interpretations of Technology in Literature, 217 (Sec. 1.02)
Issues in the History of Science and Theology, 272 (Sec. 1.03)

[Scope: T/C (courses). For undergrad, sci/nonsci majors. Began 1973. Funded by university.]

57. UNIVERSITY OF WISCONSIN
Milwaukee, WI 53201

Cultural and Technological Studies (CTS)
Director: Raymond H. Merritt

The purpose of CTS is to understand the relationship between technology and culture and how this interaction affects human values and can be better utilized to fulfill human needs. There is no major or minor in CTS, although all 40 courses satisfy social science and humanities requirements. Periodic lectures, seminars, and conferences are sponsored by CTS.

Courses

Technology, Values and Society, 080 (Sec. 1.01)
Frankenstein Revisited: Bioethics and the Future of Man, 154 (Sec. 1.01)
Men and Machines in American Technology, 166 (Sec. 1.01)
Social History of American Technology to the Civil War, 172 (Sec. 1.01)
The City in The World of the Future, 179 (Sec. 1.01)
Cultural Systems, Energy and Technology, 195 (Sec. 1.01)
Technological Innovation and Social Change, 198 (Sec. 1.01)
Human Factors and Aesthetics in Design and Technology, 213 (Sec. 1.02)
Literature and Society: Clockwork Man--The Technology of Transcendence, 221 (Sec. 1.02)
Literature and Society: Literature and Ecology, 222 (Sec. 1.02)
Literature and Society: The Healing Art: Patient, Physician and the Technological Fix, 223 (Sec. 1.02)
Literature, Art and Technology, 224 (Sec. 1.02)
Machines Versus Humanity: The Changing Novel in the Age of Technology, 226 (Sec. 1.02)
Mass Culture, Technology and Manipulation of Consciousness, 231 (Sec. 1.02)
The Promethean Mind: Explorations in Myth and Literature, Science and Technology, Prophecy and Human Values, 238 (Sec. 1.02)
Technology and the American Dream, 255 (Sec. 1.02)
Technology in Utopian Literature and Science Fiction, 260 (Sec. 1.02)
Science and Mysticism, 321 (Sec. 1.04)
Man's Impact on the Natural Landscape: Geographical and Historical Perspectives, 431 (Sec. 2.01)
Work and Alienation, 827 (Sec. 4.01)
The Idea of Progress, 862 (Sec. 5.01)
Topics in Technology and Cultural Institutions: Legal and Ethical Issues in Technology, 905 (Sec. 5.02)

[Scope: R, T/C (seminars, workshops, colloquia, courses). For college faculty, undergrad. Began 1973. Funded by university, private foundation, federal government.]

58. UNIVERSITY OF WISCONSIN
Stevens Point, WI 54481

Science and Ethics
Director: Joseph B. Harris, Biology

Consists of (1) developing annual symposia on major science and ethics topics and inviting established professionals to speak, videotaping symposium lectures and (2) offering formal courses on science and ethics issues using videotaped and reference materials to university and public audiences.

Courses
Population, Human Behavior and Food, 470 (Sec, 2.02)
Legal Drugs: Use and Abuse, 490 (Sec. 3.01)
Genetic Manipulation of Man, 721 (Sec. 3.03)

[Scope: D (instructional and resource materials, bibliographies), T/C (lecture series, courses). For college faculty, undergrad, general public. Began 1973. Funded by university, private foundation.]

59. UTAH STATE UNIVERSITY
Logan, UT 84322

Values and the Environment
Director: Jim Mulder, Political Science

This course-program was started to provide a flexible, self-directed learning experience for students concerning man's relationships to his ideas, environment and other people. It was an interdisciplinary effort which contained individual study units and personal faculty interaction.

Course
Technology and Human Values, 074 (Sec. 1.01)

[Scope: D (instructional materials), T/C (seminars, colloquia, courses, debates, individual self-paced modules). For grad/undergrad. Funded by federal government.]

60. VANDERBILT UNIVERSITY
Nashville, TN 37235

Technology and Public Policy (TAPP)
Director: Robert W. House

Designed to serve as a focal point for the activities in the School of Engineering directly involved with technology-society interactions. Introductory and advanced courses offer an area of concentration for undergraduate students in engineering and in arts and science.

Courses
Technology and Human Values, 075 (Sec. 1.01)
Technology Forecasting and Assessment, 919 (Sec. 5.04)

[Scope: R, D (case studies), T/C (seminars, workshops, courses, lecture series). For undergrad, engineering majors. Began 1972. Funded by university, private foundation, government grants.]

61. WASHINGTON AND LEE UNIVERSITY
Lexington, VA 24450

Society and the Professions: Studies in Applied Ethics
Director: Louis W. Hodges

Designed to examine the relationship between individual professions and society. The focus is on the humanistic impact of the practice of the profession, through an examination of the value conflicts which arise in that practice.

Courses
Biomedical Ethics, 597 (Sec. 3.03)

[Scope: T/C (seminars, workshops, courses, lecture series). For undergrad. Began 1974. Funded by private foundation.]

62. WASHINGTON UNIVERSITY
St. Louis, MO 63130

Technology and Human Affairs (THA)
Director: Robert P. Morgan

Offers bachelors, masters and doctoral programs concerned with application of technology to contemporary problems, assessments of the impacts of technology and technology policy analysis.

Courses
Technology, Values and Society, 081 (Sec. 1.01)
Technology, Survival and the Year 2000, 192 (Sec. 1.01)
Role and Management of Modern Technology, 898 (Sec. 5.02)
Technology Assessment and Public Policy, 916 (Sec. 5.04)

[Scope: R, D (instructional and resource materials, bibliographies), T/C (seminars, courses, conferences). For grad/undergrad, sci/nonsci majors. Began 1968. Funded by university, private foundation, federal government.]

63. WAYNE STATE UNIVERSITY
Detroit, MI 48202

Socio-Humanistic Studies Program for Engineering Students
Director: Charles K. Hyde, Monteith College

An examination of the interface between technology, society, and human values, utilizing an interdisciplinary, cross-cultural approach, with both historical and contemporary emphases. The program includes a series of studies at both the macro- and micro-levels of analysis.

Courses
Social and Economic Contexts of Technology, 822 (Sec. 4.01)
Topics in the Impact of Technology, 909 (Sec. 5.03)

[Scope: D (instructional materials), T/C (courses). For undergrad, engineering students. Began 1974. Funded by university.]

64. WESLEYAN UNIVERSITY
Middletown, CT 06457

College of Science in Society (CSis)
Director: Earl D. Hanson

A three-year program for undergraduates interested in understanding and working with issues arising from the interaction of scientific knowledge and human affairs.

Course
Science and Nonscience, 240 (Sec. 1.02)

[Scope: T/C (seminars, workshops, colloquia, courses, lecture series, resident scholars). For undergrad. Began 1975. Funded by federal government.]

65. WHEATON COLLEGE
Wheaton, IL 60187

Human Needs and Global Resources (HNGR)
Director: Wayne G. Bragg

A multidisciplinary concentration (minor) that focuses on the great critical issues facing the world from an ethical perspective. Courses are given to prepare students to involve themselves directly in some development project in a Third World Country through an internship arrangement with various agencies.

Courses
Third World Issues, 204 (Sec. 1.01)
Internship Seminar in the Health Professions, 792 (Sec. 3.03)

[Scope: T/C (seminars, courses, annual conference). For undergrad, sci/nonsci majors. Began 1976. Funded by college.]

66. WORCESTER POLYTECHNIC INSTITUTE
Worcester, MA 01609

Worcester Polytechnic Institute Plan (WPI)
Director: George W. Hazzard

The WPI Plan is designed to educate engineers and scientists who are aware of the social implications of their work. There are four degree requirements in the WPI program: (1) a sufficiency or minor in some area of the humanities, (2) a major qualifying project--research work in one's major field of study, (3) an interactive qualifying project--a project which somehow relates technology to social concerns or values, and (4) successful completion of a competency examination in one's major field. The program is designed for maximum flexibility in order to meet individual student interests and needs.

Course
Bioethics, 146 (Sec. 1.01)

[Scope: T/C (seminars, courses, project work). For undergrad, sci majors. Began 1970. Funded by private foundation, federal government.]

67. WORCESTER STATE COLLEGE
Worcester, MA 01602

Worcester State College Science and the Human Condition Series
Directors: Surindar Paracer and Ronald Harris

The objective is to communicate to the Worcester community the impact which developments in science (including the social sciences) and technology is having on their lives. In a given year the topics may range from behavior control to the problem of nuclear wastes.

[Scope: T/C (lecture series, debates). For college faculty, undergrad, sci/nonsci majors, general public. Began 1972. Funded by college.]

68. YALE LAW SCHOOL
New Haven, CT 06520

Law, Science and Medicine
Director: Angela Holder, et al

Research fellowships. Program terminates as it now exists on July 1, 1977. Future includes support of a few senior fellows who will teach part-time in the regular law school curriculum.

Courses
Tragic Choices, 083 (Sec. 1.01)
Law and the Life Sciences, 517 (Sec. 3.02)
Legal Regulation of Biomedical Sciences, 523 (Sec. 3.02)
Chronically Ill Patient, 746 (Sec. 3.03)

[Scope: R, T/C (seminars, lecture series). For law students. Began 1973. Funded by private foundation.]

BIOMEDICAL CONCERNS

69. ALBERT EINSTEIN COLLEGE OF MEDICINE
Bronx, NY 10461

Perspectives in Biology and Medicine
Director: Harry H. Gordon, M.D.

Didactic and clinical instruction is given on ethical/humanistic approaches to patient care. This includes emphasis on the necessity of such instruction as a result of the development of large medical centers and technological developments.

[Scope: T/C (seminars, workshops, colloquia, courses, lecture series, debates). For college faculty, med students. Began 1973. Funded by college.]

70. ATHENAEUM OF OHIO
5440 Moeller Ave.
Norwood, OH 45212

Institute of Bioethics
Director: Rev. Donald McCarthy

Lecture series on genetic counseling, prolongation of life, sterilization, ethical norms, behavior control. Includes 14 speakers in ethics and science.

[Scope: T/C (seminars, lecture series). For grad/undergrad, sci/nonsci majors. Began 1977. Funded by university.]

71. BALDWIN-WALLACE COLLEGE
Berea, OH 44017

Center for Study of Ethical and Legal Issues in Bio-Medical and Behavioral Science (CELIBS)
Director: David L. Treybig, Sociology

Concerned with rights of human subjects in research, informed consent, disadvantaged research subjects, aged human subjects in gerontological research.

[Scope: D (instructional materials, bibliographies), T/C (seminars, publications). For undergrad, med, sci majors, R.N.s, respiratory therapists. Began 1976. Funded by college.]

72. COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY - NEW JERSEY MEDICAL SCHOOL
Newark, NJ 07103

Programs in Health Care Humanities
Director: Russell McIntyre

Systematic analysis of ethical, social and legal issues which emerge in the practice of medicine, the provision of health care, and the research done on human subjects.

Ethical Issues in Biomedicine, 752 (Sec. 3.03)

[Scope: T/C (seminars, workshops, colloquia, courses, lecture series, debates). For med students, hospital house staff, practicing physicians in continuing education. Began 1976.]

73. COLUMBIA UNIVERSITY
New York, NY 10032

Health Sciences General Education Seminar on Ethics and Values in Health Care
Director: Bernard Schoenberg, M.D.

Working groups composed of students and relevant faculty members explore ethical and value issues related to such topics as neonatology, behavior modification, survival and dying, and reproductive medicine, among others, in an effort to achieve deeper insights through interdisciplinary approaches.

[Scope: R, D, T/C. For college faculty, grad, med, health students. Began 1974.]

74. CREIGHTON UNIVERSITY
Omaha, NE 68178

Humanities for the Health Sciences
Director: James J. Quinn

A comprehensive program in the humanities which is open to all students and faculty. The stress is aimed at the relationship of the humanities to medicine. Courses are offered to the pre-professional and professional students, and a seminar for the entire faculty.

Ancient Medicine, 479 (Sec. 3.01)
Health Care, Society and Values, 485 (Sec. 3.01)
A. Religion and Health; B. Medical Problems and Society, 504 (Sec. 3.01)
Bioethics, 550 (Sec. 3.03)
Ethical Issues in Patient Care, 754 (Sec. 3.03)
Moral Issues for Pharmacists, 771 (Sec. 3.03)
Moral Issues in Medicine, 772 (Sec. 3.03)
Social and Moral Issues for Dentists, 779 (Sec. 3.03)
Moral Issues in Life and Health, 795 (Sec. 3.03)
Theological Reflection on Health Care, 798 (Sec. 3.03)

[Scope: R, D (resource materials), T/C (courses, seminars, workshops, colloquia, lecture series). For college faculty, grad/undergrad, med students, sci/nonsci majors, general public. Began 1974. Funded by university, federal government.]

75. DARTMOUTH COLLEGE
Hanover, NH 03755

Faculty Seminar on the Politics, Ethics and Economics of Health Care
Director: Thomas P. Almy, M.D., Dartmouth Medical School

An extracurricular series of monthly interdisciplinary discussions of specific ethical issues resulting from application of modern technology to health care. The interaction of technological progress, rising expectations, priorities in public expenditures, political action, and ethical values is emphasized. Problems are addressed in context of regional health needs whenever possible.

[Scope: R, D (resource materials), T/C (seminars). For college faculty, undergrad, med students, general public. Began 1974. Funded by college.]

76. DUTCHESS COMMUNITY COLLEGE
Poughkeepsie, NY 12601

Human Genetics and Human Values Institute
Director: Henry M. Muschio, Jr.

A series of 15 four to five-hour sessions during the January term presenting a multifaceted, interdisciplinary series of lectures, laboratory demonstrations, panel discussion groups, visiting lecturers, A-V presentations, visitations and tours of county and state agencies and facilities and group dialogue in the areas of human genetics, cytogenetics, biochemistry, societal problems, clinical aspects, community aspects, ethics and morality in problems dealing with developmentally disabled individuals.

[Scope: T/C (seminars, workshops, colloquia, lecture series, debates, visitations, panel groups). For undergrad, sci/nonsci majors, general public, agency personnel, professionals, para-professionals. Began 1975. Funded by college, private foundation.]

77. EASTERN VIRGINIA MEDICAL SCHOOL
Norfolk, VA 23501

Bio-Medical Ethics
Director: Donnie J. Self

The scope of the program is to stimulate dialogue about alternative positions on bio-medical ethical issues, develop curricula for health care professions with regard to bio-medical ethical issues, work toward providing training of religious professionals for greater skill in counseling and pastoral care in area hospitals and other health care facilities, develop community-wide continuing education opportunities concerning bio-medical ethical issues, and serve as a resource in the development of in-house bio-medical ethics committees in area hospitals and other health care facilities.

[Scope: T/C (workshops, symposia). For college faculty, med students, general public. Began 1972. Funded by college, community organization contributions.]

78. FORT WRIGHT COLLEGE
Spokane, WA 99204

Biomedical Ethics
Director: Ione Gautereaux

Problems dealing with moral values in defective newborns, abortion, long-term intensive treatment, aging and death and illness.

Course
Ethics and Human Values of Industry, 813 (Sec. 4.01)

[Scope: T/C (seminars, lecture series, debates). For college faculty, undergrad, general public. Began 1976. Funded by college.]

79. GEORGETOWN UNIVERSITY
Washington, D.C. 20057

Kennedy Institute, Center for Bioethics
Director: LeRoy Walters

The Kennedy Institute is an interdisciplinary research institute at Georgetown University. The Center for Bioethics represents the fields of research biology, clinical medicine, and ethics. Major programs of the Center include (1) research and publication, (2) teaching and (3) the development of library resources and information-retrieval capabilities.

Courses
Issues in Religious Ethics: Love and Justice, 274 (Sec. 1.03)
Value Conflicts in the Practice of Medicine, 379 (Sec. 1.05)
Philosophy of Medicine--An Examination of the Concept of Disease, 502 (Sec. 3.01)
Value in the Health Professions, 511 (Sec. 3.01)
Ethics and Biomedicine, 616 (Sec. 3.03)
Ethical Issues in Human Experimentation, 713 (Sec. 3.03)
Seminar on Bioethics, Religious and Humanistic Ethics, 797 (3.03)

[Scope: R, D (bibliography, resource material, encyclopedia of bioethics), T/C (seminars, workshops, courses, lecture series). For grad/undergrad, law and med students, general public, health professions, policy makers in areas of science and health. Began 1971. Funded by university, private foundations, federal government.]

80. INDIANA UNIVERSITY, POINTER CENTER
Bloomington, IN 47401

Medicine and the Public
Director: David H. Smith

A cluster of courses. A set of programs were developed to upgrade public discussion and private education about the ethical and social problems created by developments in biology and the life sciences.

[Scope: R, T/C (seminars, workshops, colloquia, courses, lecture series, debates). For college faculty, undergrad, law and med students, sci/nonsci majors, general public. Began 1975. Funded by university, private foundation, federal government.]

81. INSTITUTE OF SOCIETY, ETHICS, AND THE LIFE SCIENCES
Hastings-on-Hudson, NY 10706

Education Program
Director: Daniel Callahan, Hastings Center

The program conducts workshops for teachers and health care professionals throughout the country, sponsors internships for graduates and undergraduates and fellowships for post-doctoral students, and offers reading packets for teaching and public information.

Courses
Pediatrics, Ethics, and the Law: Workshop 2, 528 (Sec. 3.02)
Clinical Medical Ethics: Workshop 3, 535 (Sec. 3.03)
Bioethics and Public Policy: Workshop 1, 855 (Sec. 5.01)

[Scope: R, D (instructional material, bibliographies), T/C (workshop, lecture series, debates). For college faculty, med professions, clergy, social workers, post-grad students. Funded by private foundation, institute.]

82. INSTITUTE OF SOCIETY, ETHICS AND THE LIFE SCIENCES
Hastings-on-Hudson, NY 10706

Internships in the Ethical Issues of Biology and Medicine
Director: Daniel Callahan, Hastings Center

The core of the program is an individual, self-initiated research project, although direction and supervision is provided by a staff member. In addition, interns may participate in on-going Institute activities such as conferences, seminars and workshops.

[Scope: R. For grad/undergrad, law and med students. Funded by private foundation, industry, individuals.]

83. INSTITUTE OF SOCIETY, ETHICS, AND THE LIFE SCIENCES
Hastings-on-Hudson, NY 10706

Post-Doctoral Fellowship Program
Director: Daniel Callahan, Hastings Center

The Institute provides one-year post-doctoral fellowships for the study of ethics and the life sciences. The purpose of these fellowships is to permit both older and younger researchers to prepare themselves systematically for future productive research on ethical problems arising from advances in medicine and biology.

[Scope: R, D, T/C. For participants with advanced doctoral or professional degrees. Funded by private foundation.]

84. LOYOLA UNIVERSITY--STRITCH SCHOOL OF MEDICINE
Maywood, IL 60153

Medical Ethics Lecture Series
Director: John M. Fahey

A guest lecture series. Lecturers invited are the more prominent authorities in the field of medical ethics. Subject matter varies each year.

[Scope: T/C (lecture series). For med students and faculty, nurses. Began 1972. Funded by university.]

85. MEDICAL COLLEGE OF PENNSYLVANIA
Philadelphia, PA 19129

Teaching Program in Human Values in Medicine
Directors: Michael G. Blackburn, M.D. and John H. Sorenson

Provides an interdisciplinary learning opportunity in which the value component of medical issues can be identified and discussed by medical students. Five teaching modalities are used: elective courses, integrated (required) instruction, independent study and research, student lead bioethics discussions, grand rounds.

Course
Bioethics in Perinatology, 533 (Sec. 3.03)

[Scope: R, D, T/C (seminars, courses, lecture series). For college faculty, med students. Began 1975. Funded by college, industry.]

86. MEDICAL COLLEGE OF WISCONSIN
Milwaukee, WI 53233

Medical Ethics Sessions
Directors: Sally Long and Paul Rosenfeld, M.D.

Series of lecture and discussion seminars on ethical issues related to medicine.

[Scope: T/C (seminars). For med students. Began 1976. Funded by faculty contributed time.]

87. RUSSELL SAGE COLLEGE
Troy, NY 12180

Sage Center for Biomedical Ethics
Director: Rolf Ahlers

Consists of (1) conferences open to the public in cooperation with the Albany Medical Center with invited guests, (2) courses on Biomedical Ethics for students, and (3) "Philosophy Forums" for students, faculty and outside public.

Course
Biomedical Ethics, 588 (Sec. 3.03)

[Scope: T/C (seminars, courses, lecture series). For undergrad sci majors. Began 1973. Funded by college, private foundation.]

88. SOUTHERN ILLINOIS UNIVERSITY SCHOOL OF MEDICINE
Springfield, IL 62708

Medical Education, Society and the Humanities (MESH)
Director: Glen W. Davidson

A multidisciplinary approach designed to bring the insights of the humanities, social sciences, and behavioral sciences to bear on clinical practice.

[Scope: R, D (instructional and resource materials, bibliographies and visual aids), T/C (seminars, workshops, colloquia, courses, lecture series). For med students, general public. Began 1973. Funded by university.]

89. UNIVERSITY OF ALABAMA
Birmingham, AL 35294

Moral Issues in Health Care
Directors: Kirk Avent, Medicine and Gregory E. Pence, Philosophy/Medicine

Consists of offering a course in medical ethics to first-year medical students, a bi-monthly seminar in medical ethics for the university, workshops for medical faculty, and a course in ethics for nursing and allied health students. A coordinator, with joint appointment in medicine and philosophy, has primary responsibility for teaching medical students and expanding the program.

Course
Moral Issues in Medicine, 773 (Sec. 3.03)

[Scope: T/C (seminars, workshops, colloquia, courses). For grad/undergrad, sci majors, nursing students, dentistry, public health, allied health, hospital administration. Began 1976. Funded by university.]

90. UNIVERSITY OF ARIZONA
Tucson, AZ 85724

Division of Social Perspectives in Medicine (DSPM)
Director: George D. Comerci, M.D., College of Medicine

Purpose of DSPM is to introduce to the faculty, students, and community, issues of current importance in the area of human values, law, sociology, anthropology and others and their relationship to the role of medicine in contemporary society.

Course
Medical Jurisprudence, 769 (Sec. 3.03)

[Scope: T/C (seminars, workshops, lecture series). For college faculty, grad/undergrad, law and med students, sci/nonsci majors, general public. Began 1968. Funded by grant (Kenneth A. Hill Memorial Fund).]

91. UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE
Los Angeles, CA 90024

Medicine and Society Forum
Director: Bernard Towers, Pediatrics

A monthly forum which started in January 1974 and has continued at the rate of ten per year. It consists of tightly structured discussions, recorded on videotape, which deal with topics in the ethical, legal, or other societal implications of modern medical practice.

Courses
Social Medicine, 507 (Sec. 3.01)
Law, Medicine and Human Values, 519 (Sec. 3.02)
Legal and Ethical Issues in Death and Dying, 520 (Sec. 3.02)
Medicine, Law and Society, 526 (Sec. 3.02)

[Scope: D (instructional and resource materials, bibliographies), T/C (panel discussions). For college faculty, grad/undergrad, law and med students, general public, housestaff and university employees. Began 1974.]

92. UNIVERSITY OF CALIFORNIA
San Francisco, CA 94143

Joint Program in Bioethics: Bioethics Group: Bioethics Program/Health Policy
Director: Albert R. Jonsen, Health Policy Program

A joint program with the Pacific School of Religion in Berkeley, California provides bioethics instruction in the form of lectures in already established courses in the four schools; participates in grand rounds, staff conferences; guided studies of selected scholars and fellows in bioethics; sponsors public forum activities for promoting a dialogue among humanists, biomedical researchers, health care professionals and the public concerning bioethical issues.

Course
Bioethics Workshop, 743 (Sec. 3.03)

[Scope: D (instructional material), T/C (seminars, workshops, colloquia, courses). For college faculty, grad, med, divinity and theology students. Began 1973. Funded by university, private foundation, federal government.]

93. UNIVERSITY OF CHICAGO
Chicago, IL 60637

Arts and Sciences Basic to Human Biology and Medicine (ASHUM)
Director: Arnold W. Ravin

Four-year program (last two undergraduate years and first two graduate years) integrating biomedical sciences basic to human biology and medicine with social sciences and humanistic disciplines that impinge upon questions of health.

Course
Biological and Ethical Aspects of Control of Reproduction, 711 (Sec. 3.03)

[Scope: T/C (seminars, colloquia, courses, lecture series). For grad/undergrad, med students, sci/nonsci majors. Began 1977. Funded by university, private foundation.]

94. UNIVERSITY OF CHICAGO
Chicago, IL 60637

Social and Ethical Issues in Medicine
Director: Chase P. Kimball, M.D. Psychiatry

An examination of social and ethical issues in medicine with medical students during medical education beginning in the first year and extending through clinical clerkship and electives. Emphasis is on decision-making processes.

Course
Social and Ethical Issues in Medicine, 506 (Sec. 3.01)

[Scope: D (instructional and resource material, bibliographies), T/C (seminars, colloquia, courses, lecture series). For grad/undergrad, med students, sci/nonsci majors. Began 1977. Funded by university, private foundation.]

95. UNIVERSITY OF DELEWARE
Newark, DE 19711

Culture of Biomedicine (CBM)
Director: Edward Lurie

Interdisciplinary program of core and advanced courses in the social, cultural, and humanistic aspects of biomedicine that currently has a faculty of seventeen and offers core and elective courses. Many courses are team-taught and carry either Humanities or Social Science distribution credit. They provide a unique vehicle to strengthen regular departmental offerings, teach students in the health professions about the social significance of science and its applications. It brings lecturers to campus, sponsors conferences, and holds faculty seminars.

Courses
American Literature and the Universe of Force, 207 (Sec. 1.02)
Creative Process in Science and the Humanities, 208 (Sec. 1.02)
Leonardo da Vinci: Art and Science, 218 (Sec 1.02)
Literature and Science, 219 (Sec. 1.02)
Philosophy of Medicine/Philosophy of Technology, 503 (Sec. 3.01)
Society, Culture and Health Care, 508 (Sec. 3.01)
Ethical and Moral Problems of Biomedicine, 606 (Sec. 3.03)
Medical Ethics, 657 (Sec. 3.03)

[Scope: T/C (colloquia, courses, lectures). For undergrad, sci/nonsci majors, pre-med, nursing, physical therapy, med technology students. Began 1975. Funded by federal government.]

96. UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER
Chicago, IL 60680

Ethics for Health Professionals
Director: William A. Overholt, Health Resources Management

To raise the ethical problems in health care delivery and to provide resources for study and resolution.

Course
Ethics for Health Professionals, 755 (Sec. 3.03)

[Scope: T/C (workshops, courses, lecture series. For undergrad/grad, law and med students, college faculty, sci majors. Began 1975. Funded by university.]

97. UNIVERSITY OF IOWA
Iowa City, IA 52242

Behavior, Law and Ethics (BLE)
Director: Nancy C. Andreasen, M.D.

Monthly interdisciplinary seminars to discuss case-centered issues in medical ethics. We hope to develop enough interest to encourage the hiring of full time person to coordinate work in medical humanities on campus.

Course
Behavior, Law and Ethics, 742 (Sec. 3.03)

[Scope: T/C (seminars, courses). For college faculty, med students. Began 1973.]

98. UNIVERSITY OF LOUISVILLE
Louisville, KY 40201

Humanities and Medicine
Director: Virginia Keeney, M.D., Medicine

Program is evolving from an initial course in medical ethics into a broad schedule of courses elaborating relationships with medicine in history, philosophy, theatre, literature, art and theology.

Courses
Advanced Seminar in Medical Ethics, 740 (Sec. 3.03)
Ethical Aspects in Care of the Dying Patient, 751 (Sec. 3.03)
Human Values in Medicine, 758 (Sec. 3.03)

[Scope: D (instructional material), T/C (seminars, workshops, courses, lecture series). For med students. Funded by university.]

99. UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE
Baltimore, MD 21201

Medical Ethics--Introduction to Clinical Practice
Director: Donald Pachuta

Consists of course, utilizing clinicians as a panel, to discuss before the sophomore class problems such as doctor-patient relationship, coercion in practice, death and dying, and other topics.

Course
Medical Ethics, 767 (Sec. 3.03)

[Scope: T/C (seminars, courses) For med students. Began 1975.]

100. UNIVERSITY OF MICHIGAN MEDICAL SCHOOL
Ann Arbor, MI 48109

Unit for Human Values in Medicine
Director: J. Daniel Burke

An effort to introduce methods and insights of the humanistic and social science disciplines into the process of medical (and other health professional) education.

Course
Issues in Bioethics, 760 (Sec. 3.03)

[Scope: R, T/C (seminars, workshops, colloquia, courses, lecture series, debates). For grad/undergrad, med students, sci/nonsci majors. Began 1972. Funded by university, industry, religious institution.]

101. UNIVERSITY OF MINNESOTA
Minneapolis, MN 55455

Social Curriculum Project
Director: Clayton Rowland, Pharmacy

An experimental program designed to develop, implement and evaluate a patient-oriented, holistic, problem-solving pharmacy curriculum. The emphasis of this program is on the patient. The program includes instruction in ethics, cultural anthropology, communication skills and other relevant areas of the social sciences.

Course
Ethics and Health Care, 539 (Sec. 3.03)

[Scope: D (instructional and resource materials), T/C (workshops). For undergrad, sci majors. Began 1975. Funded by federal government.]

102. UNIVERSITY OF MISSOURI MEDICAL CENTER
Columbia, MO 65201

Health Services Research Center and Health Care Technology Center
Directors: Daryl Hobbs and Donald Lindberg, M.D., Research Agenda Group

The responsibilities of the Research Agenda Group are to review research projects and priorities in terms of their ethical, legal, social, psychological and sociological significance of innovations and breakthroughs and developments in technology as it applies to health care.

[Scope: R, D. For faculty from all over the campus. Began 1977. Funded by federal government.]

103. UNIVERSITY OF PITTSBURGH
Pittsburgh, PA 15261

Program for Human Values in Health Care
Directors: William M. Cooper, M.D. and Kenneth F. Schaffner, University Health Center of Pittsburgh

Provides ethical and human value instruction for medical students, house officers, nurses, and attending physicians via rounding of human values resource personnel with physicians, clinical conferences, public lectures (also open to the adult public), and workshops in philosophy of medicine.

[Scope: D (instructional and resource materials), T/C (seminars, workshops, colloquia, lecture series, debates). For undergrad. Began 1970. Funded by university, federal government.]

104. UNIVERSITY OF TENNESSEE
Knoxville, TN 37916

Graduate Study in Philosophy with Concentration in Medical Ethics
Director: Glenn C. Graber, Philosophy

Graduate study in philosophy with special attention to ethical theory is combined with examination of the nature and problems of health care and experience in the clinical setting of a health sciences center. The objective is to prepare students for teaching and research in medical ethics.

Courses
Advanced Residence in Medical Ethics, 531 (Sec. 3.03)
Religious and Philosophical Issues in Medical Ethics, 693 (Sec. 3.03)
Theoretical Issues in Medical Ethics I, 704 (Sec. 3.03)
Theoretical Issues in Medical Ethics II, 705 (Sec. 3.03)
Topics in Medical Ethics, 706 (Sec. 3.03)
Advanced Topics in Medical Ethics, 741 (Sec. 3.03)
Clinical Practicum in Medical Ethics, 747 (Sec. 3.03)

[Scope: R, T/C (seminars, courses, clinical practice), D (instructional and resource materials, bibliographies). For grad. Began 1975. Funded by university.]

105. UNIVERSITY OF TENNESSEE
Memphis, TN 38163

Human Values and Ethics
Director: David C. Thomasma, Health Sciences

Focus on value clarification through tutorials and courses, teaching on rounds in primary, secondary and tertiary care settings, offering Ethical Grand Rounds, and in training humanities professionals by using extensive clinical experience. The Program is presently revising all of its 17 courses approved for students in Allied Health, Medicine, Nursing, Graduate Social Work, Pharmacy, Dentistry and Basic Medical Sciences.

[Scope: R, D (instructional materials), T/C (seminars, colloquia, courses, lecture series, ethical grand rounds). For grad, med students, sci majors, general public. Began 1973. Funded by university, state and federal government.]

106. UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER
Dallas, TX 75235

Medical/Ethical Grand Rounds
Director: Barbara L. Manroe, M.D., Southwestern Medical School, Pediatrics

A once a month seminar/discussion of specific medical cases chosen to focus the discussion toward the underlying assumptions affecting the medical decisions made. Participants include moderator who is practicing neoratologist with strong philosophy training and other members of medical school faculty including M.D.s, Ph.D.s and J.D.s. The other panel members are chosen in relation to the specific case discussed.

[Scope: T/C (seminars, debates). For med students, faculty, students in allied health fields. Began 1976. Funded by medical school.]

107. UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER
Dallas, TX 75235

Medical Humanities
Director: Jonathon Erlen

Attempts to integrate the various facets of humanities into the world of medical science. These courses and lectures hope to show students and practicing physicians how medical humanities can be an asset in their field of health care delivery.

Course
Biomedical Ethics, 596 (Sec. 3.03)
Independent Studies in Biomedical Ethics, 629 (Sec. 3.03)

[Scope: T/C (courses, workshops, debates). For college faculty, grad/undergrad, med students, sci/nonsci majors. Began 1976. Funded by university.]

108. UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER
Houston, TX 77025

Legal Issues in Biology and Medicine
Director: Margery W. Shaw, M.D., Graduate School of Biomedical Sciences

An interdisciplinary approach to biomedical problems including: (1) the right to control the use of one's own body (informed consent, human experimentation); (2) privacy and confidentiality (right of privacy and law); (3) special genetics problems (screening, counseling); (4) reproductive alternatives; (5) parental authority in procreation.

[Scope: T/C (seminars). For grad. Began 1977. Funded by state government.]

109. UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER
San Antonio, TX 78284

Committee for Teaching Social and Moral Values in the Health Sciences
Director: Alvin G. Burstein

An interdisciplinary, four module elective, plus a speakers program. New teaching materials are purchased and developed.

[Scope: D (instructional materials), T/C (seminars, lecture series). For med and grad students. Began 1973.]

110. UNIVERSITY OF TEXAS MEDICAL BRANCH
Galveston, TX 77550

Institute for the Medical Humanities
Director: William B. Bean, M.D.

A multidisciplinary program of research and education in the humanities and medicine involving the disciplines of history, philosophy, religious studies, law, and literature.

Courses
Medical Ethics, 377 (Sec. 1.05)
Topics in the Humanities, 510 (Sec. 3.01)

[Scope: R, D, T/C. For grad, med, nursing, allied health students. Began 1973. Funded by university, private foundation, state and federal government.]

111. UNIVERSITY OF WISCONSIN
Madison, WI 53706

Medical Ethics
Director: Norman Fost

Teaching, service and research in various areas of medical ethics. Full-time faculty from law, philosophy and medicine.

Courses
Law and Contemporary Problems: Law and Health Policy, 516 (Sec. 3.02)
Ethical Issues in Medicine, 538 (Sec. 3.03)
Ethical Issues Raised by Biomedical Technology, 613 (Sec. 3.03)

[Scope: R, D, T/C. For college faculty, grad/undergrad, law and med students, sci/nonsci majors, general public. Began 1973. Funded by university, private foundation, state government.]

112. VIRGINIA COMMONWEALTH UNIVERSITY
Richmond, VA 23298

Medical Ethics
Director: Glenn R. Pratt

Involves all the schools of the Medical College of Virginia, but it is located for administrative purposes within the School of Allied Health Professions. Faculty are involved from various departments within the medical center. Human Values input is coordinated with personnel from the Department of Philosophy and Studies and from the Department of Patient Counseling.

Courses
Insight in the Humanities for the Physician, 489 (Sec. 3.01)
Medical Ethics, 661 (Sec. 3.03)
The Physician as a Consultant on Sex, 776 (3.03)

[Scope: R, D (bibliographies), T/C. For college faculty, med, pharmacy, nursing, allied health, dental students. Began 1966. Funded by university, private foundation.]

113. WAYNE STATE UNIVERSITY
Detroit, MI 48202

Human Values in Health Care
Director: Roberta Cottman, College of Pharmacy and Allied Health Professions

A committee was formed on the level of Allied Health Professions to surface the issues and concerns of bioethics. The committee is composed of a representative from each of the disciplines, a student representative and the director of the Ministry to Medicine. The first activity of the committee was a symposium for all the students of the college on Human Values in Health Care.

[Scope: T/C (symposium). For undergrad, allied health students, pharmacy students. Began 1976. Funded by university.]

114. WHITTIER COLLEGE
Whittier, CA 90608

Medical Ethics Study Group
Director: Michael Praetorius, Philosophy

Along with the Presbyterian Inter-Community Hospital, the college holds a bi-monthly colloquia, to discuss the legal and ethical implications of protocols presented by the physicians in the group, or discuss a paper presented by one of the members.

Course
Ethical Issues in the Professions, 330 (Sec. 1.05)

[Scope: T/C (colloquia). For college faculty, physicians and attorneys. Began 1975. Funded by university, hospital.]

115. WILLIAM PATERSON COLLEGE OF NEW JERSEY
Wayne, NJ 07470

Ethical/Value Issues in the Life Sciences
Director: Clifford Adelman

Includes six ethics/values add-on components for six existing courses in biology and psychology, with case settings and issues suggested by course subject matter. A separate comprehensive course addressing ethics/values issues with case settings drawn from a variety of areas and adapted to the issues. An evaluation device to measure student growth in values awareness.

Course
Science and Social Responsibility, 050 (Sec. 1.01)

[Scope: D (instructional and resource materials, bibliographies, case studies), T/C (workshops, courses). For undergrad, sci majors. Began 1976. Funded by university.]

116. WORCESTER POLYTECHNIC INSTITUTE
Worcester, MA 01609

Bioethics Program
Directors: B. B. Hoskins, T.A. Shannon and J. Manfra

Interdisciplinary program in social ethics, biology, and history (law) includes (1) undergraduate projects, (2) survey course of philosophical issues and current social dilemmas, (3) group seminars, and bi-yearly Bioethics Week open to Worcester Community, (4) cooperative research inter- and intra-college on impacts of synthetic biology in agriculture and industry, values learning, and teaching of bioethics.

[Scope: R, D (instructional materials, bibliographies), T/C (seminars, colloquia, courses, undergrad projects). For college faculty, undergrad, sci majors, general public. Began 1973. Funded by institute.]

117. WRIGHT STATE UNIVERSITY SCHOOL OF MEDICINE
Dayton, OH 45401

Department of Medicine in Society
Director: Robert D. Reece

Provides a liberal arts perspective to the basic science part of medical education. The program will present material germane to the humanities and social sciences.

Courses
Medicine in Society, 492 (Sec. 3.01)
Medicine in Society, 493 (Sec. 3.01)

[Scope: R, T/C. For med students. Began 1975. Funded by university.]

COURSES WITH EVIST ORIENTATION

1. SCIENCE, TECHNOLOGY, AND HUMAN VALUES

   1.01. Science/Technology and Human Values

   Ethics and Values Dimensions
   Societal Perspectives
   Human Identity (Human Nature)
   Biology and Human Affairs
   Historical Perspectives
   Futures
   Technology Transfer

   1.02. Science/Technology and the Arts and Humanities

   1.03. Science/Technology and Religion

   1.04. Methodologies of Science/Technology

   1.05. Professional Ethics

   General
   Engineering
   Psychology
   Helping Professions

2. ENVIRONMENTAL CONCERNS

   2.01. Stewardship of Natural Resources
   (Cultural Attitutdes Toward the Environmental/Ethical Responsibilities)

   2.02. Global Problems and Strategies

3. HEALTH CARE, LIFE SCIENCES, BEHAVIORAL SCIENCES

   3.01. Social/Philosophical Perspectives of Biomedical Sciences

   3.02. Law, Medicine, and the Life Sciences
   (Law and Biomedical Sciences)

   3.03. Biomedical Ethics

   Biomedical Ethics (General)
   Bioethics in Research
   Bioethics for Health Professions
   Bioethics and Religion

4. INDUSTRY, COMMERCE, AND SOCIETY

   4.01. Industry, Business, and Society

   4.02. Computers/Microelectronics

   4.03. Media/Communications

5. PUBLIC POLICYMAKING

   5.01. Science/Technology and Public Policy

   5.02. Control of Science/Technology

   5.03. Role of Scientists/Engineers in Policymaking

   5.04. Technology Assessment/Forecasting

COURSES WITH EVIST ORIENTATION

1. SCIENCE, TECHNOLOGY, AND HUMAN VALUES

1.01. Science/Technology and Human Values

Ethics and Values Dimensions

001. Atomic Age
Lawrence Badash
University of California
Santa Barbara, CA 93106

History
Introductory
Undergrad/grad, sci/nonsci majors

A survey of the Manhattan Project and arms race, emphasizing scientists' contribution and effect upon science. Critical choices are seen as influenced by technical data, but based essentially on value judgments.

002. Bioethics
James W. Gustafson, Philosophy
Wallach W. Blanchard, Biology
Northern Essex Community College
Haverhill, MA 01830

Biology/Philosophy
Introductory
Undergrad

An examination of the inter-relationships between philosophy (metaphysics and ethics) and problems arising from advances in the sciences (biology) including the ethical implications of population control, resource allocation (food, energy, minerals), biomedicine, and environment (land use, wildlife conservation).

003. Chemistry, Society and the Environment
W. W. Fogleman, Chemical Sciences
Old Dominion University
Norfolk, VA 23508

Chemistry
Advanced
Undergrad sci/nonsci majors, public school teachers

Delves into scientific method, its human frailties and nonutility for making ethical decisions. Examines role of science and technology in improving and degrading human conditions. Scientific, economic and philosophical aspects discussed.

004. Contemporary Ethical Problems
Dale Miller, Religion
Drake University
Des Moines, IA 50311

Religion and Philosophy
Introductory
Undergrad

Analysis of ethical issues involved in shift from industrial era to technological era with consequent development of a new morality.

005. Contemporary Science and Human Values
Staff, Division of University Studies
North Carolina State University
Raleigh, NC 27607

University Studies
Introductory
Undergrad sci/nonsci majors

An exploration of the major intellectual consequences of some of the recent and anticipated developments in 20th-century science and scientific method, particularly in the bio-sciences and psycho-social sciences.

006. Dilemma of a Moral Individual in a Technological Society

John W. Gilje, Chemistry
Julia Z. Gilje, Geography
University of Hawaii
Honolulu, HI 96822

Honors
Junior and Senior interdisciplinary colloquium
Undergrad

Explores some of the problems which currently face us both at a personal and societal level. Cultural and social factors which influence the perception of these problems and which sometimes preclude the consideration of certain solutions to them are also discussed.

007. Ecology, Technology and Human Values

Philip J. Bossert, Philosophy;
Prof. Ward, Biology; and
Prof. Frystak, Chemistry
Hawaii Loa College
P. O. Box 764
Kaneoke, HI 96744

Interdisciplinary
Advanced, senior seminar
Undergrad

Applies systems analysis and problem-possibility thinking to areas such as population, food, energy, resources, communications-transportation tradeoffs, social and political institutional modification, cultural value and paradigm shifts, ecosystems and alternate futures projection.

008. Ethical Issues of Science and Technology

G. B. Taggart, Physics
Virginia Commonwealth University
901 W. Franklin Street
Richmond, VA 23284

Honors
Introductory
Undergrad

The first semester will consider the atomic bomb as a case study. Course outline is: (1) ethics and the making of decisions; (2) the search for knowledge; (3) developing and using the bomb; and (4) the nuclear weapons race and the ethical issues. The second semester will continue,with the bomb as background, into present problems and ethical decisions surrounding genetic engineering. This course is very much in the preliminary stage.

009. Ethical Theory

Wayne Cogell and Doug Wixon
University of Missouri
Rolla, MO 65401

Philosophy
Introductory
Undergrad

An examination of the nature and justification of moral values as they impact scientific and engineering work.

010. Ethics and Technology

A. Young, E. Stanulis and
W. Sewell, Humanities
Michigan Technological University
Houghton, MI 49931

Humanities
Introductory
Undergrad sci/nonsci majors

Examination of ethical problems raised by technological advances.

011. Forum for Scientific Inquiry

Tom Pierce, Chemistry; Margaret Brooks, Biology;
and Curt Branch, Biology
Oklahoma City University
Oklahoma City, OK 73106

Science Division
Introductory
Undergrad nonsci

Identifies some of the goals and methods of science, discusses ways that science relates to other human undertakings and explores the impact of science and technology on society and on the environment. Emphasis is placed on determining limits and ethical problems of science. The course is designed to deliver a broad conception of science.

012. Geographic Thought and Philosophy
Ralph C. Brown, Geography
University of North Dakota
Grank Forks, ND 58202

Geography
Grad

A scholarly examination of the scope and content of locational factors and spatial relationships concerning changing values and perception as man modifies nature.

013. Human Responsibility and Technology
Sr. Mary Pierre Ellebracht, Theology
Sr. Joan Kiaas, Science
St. Mary's College of O'Fallon
O'Fallon, MO 63366

Science-Theology
Adults

Designed to deepen awarenesses of the contributions of science and technology to build a more humane world for all. The responsibilities and challenges involved in this, for each person, are included.

014. Human Values and Technological Society (P)
David F. Tuttle
Stanford University
Stanford, CA 94305

Values, Technology and Society
Undergrad

Analysis and assessment of the status of human values in contemporary Western society, factors affecting this status, and its impact on the quality of life today. Values considered include moral and aesthetic, individual and social, spiritual and material.

015. Human Values in a Scientific Age
Lee H. Kalbus, Chemistry
California State College
San Bernardino, CA 92407

Natural Sciences
Advanced senior seminar
Undergrad, sci/nonsci majors, law and med students

Effect of science on human values, consideration of problems caused by the machine age and rapid scientific growth and possible solutions.

016. Human Values in Technology (P)
Jerry Gravander, Humanities
Clarkson College of Technology
Potsdam, NY 13676

Humanities
Introductory
Undergrad, sci/nonsci

Philosophical analysis of technology and its inter-relationship with humans, their values and their world. Emphasis is placed on the value implications and impacts of technology, and on alternative decision-making frameworks for technological innovations.

017. The Impact of Science and Technology on Culture and Human Values
Helen Trobian, Humanities, et al
Bennett College
Greensboro, NC 27420

Interdisciplinary Studies
General Education
Undergrad

A study of contemporary problems. Course taught by six faculty utilizing modular method. Faculty prepared original modules under auspices of Institute for Services to Education.

018. Impact of Technology on Human Rights
Jay A. Higbee, Social Studies
University of Washington
Seattle, WA 98195

Humanistic-Social Studies
Advanced
Undergrad/grad, sci/nonsci and Engineering majors

Impact of technology on human rights ranging from its safeguarding and enhancing rights to incursions on them. Uses and abuses of information technology and other technologies ranging from bio-engineering to mass madia, including rights and violations stemming from pollution (air, land, water and others).

019. Impact of Technology on Society
Simon deSoto, Mechanical Engineering
California State University
Long Beach, CA 90840

Mechanical Engineering
Introductory
Undergrad/grad nonsci major

Study of the interactions of science and technology with morality and human values, with a description of various historical and modern advances in physics, chemistry, engineering microbiology and medicine. Some philosophical aspects of science and engineering are discussed. Topics include genetics, computers, robotics and automation, electrical and chemical modification of behavior and artificial organs.

020. Introduction to Ethical Theory
Department of Philosophy
University of Illinois at Chicago Circle
Chicago, IL 60680

Philosophy
Undergrad

Designed to prepare the student for more advanced work in ethics. Topics include the analysis of moral judgments, the classification of ethical theories according to their formal properties, the thesis of ethical relativism, and the comparison between ethical and scientific theories.

021. Introduction to Ethics
Kent Kedl
South Dakota State University
Brookings, SD 57006

Philosophy
Introductory
Undergrad sci/nonsci majors

Some of the major ethical theories, an investigation of some of the problems arising from these theories and a critical analysis of the validity of these theories in light of the student's own ethical intuitions.

022. Introduction to Philosophy (P)
John R. Scudder, Thomas Brickhouse and Ronald Martin
Lynchburg College
Lynchburg, VA 24501

Philosophy
Introductory
Undergrad

The course begins by studying Pirsig's Zen and the Art of Motorcycle Maintenance to probe the main problem of values in a technological society. Then, classical philosophers are studied to show the split between mind and matter, values and knowledge, personal and public. Finally we read MacMurray's Reason and Emotion in an attempt to overcome splits.

023. Introductory Ethics
Robert Hollinger, et al, Philosphy
Iowa State University
Ames, IA 50010

Philosophy
Introductory
Undergrad

An examination of the relations between science, technology and values in the modern world. Emphasis on the conflict between the open and the closed societies.

024. Man and the Search for Values
Mark A. Moore
Salisbury State College
Salisbury, MD 21801

Philosophy
Introductory
Undergrad sci/nonsci majors

Study of the value perspectives called into question by technology and social planning. Some emphasis on total institutions, the drive for efficiency, intimacy and nuclear war.

025. Man and Values
J. G. Olson and J. Glidden
Weber State College
Ogden, UT 84408

Philosophy
Introductory
Undergrad

Although content varies according to the instructor and students, emphasis is generally given to the role of science and technology in affecting the culture and environment, and how one may responsibly effect desirable changes. Historical considerations play a part in the course.

026. Man, Applied Science and Technology
Isabel Ball, Chemistry;
Christine Morkovsky, Philosophy; and
Nile Norton, History
Our Lady of the Lake University
411 SW 24th Street
San Antonio, TX 78285

Interdisciplinary Studies
Advanced
Undergrad

An interdisciplinary course integrating the natural and social sciences as they affect man and his answers to the ultimate questions.

027. Modern Science and Society
Daniel Bly and Fred Keihn, History
Bridgewater College
Bridgewater, VA 22812

History
Introductory
Undergrad

Exploration of the role of science and scientific thought in our modern industrialized society and the relationships between science and all other areas of modern life. Also, an examination of the impact that changing scientific knowledge has on our institutions and values.

028. Nature and Continuity of Life
Michael Kamrin, et al
Michigan State University
East Lansing, MI 48824

Natural Science
Introductory
Undergrad nonsci majors

The nature of living things, contrasting various scientific and nonscientific views. The implications of the modern scientist's understanding of life for our beliefs and values.

029. Nature of Nature
John R. Kalafut, Physics;
Paul F. Fahey, Physics; and
Matthew J. Fairbanks, Philosophy
University of Scranton
Scranton, PA 18510

Interdisciplinary
Nonsci majors

A look at the effect of science on man and his environment. Special attention is devoted to the ethical implications of science and technology. The development of science is considered from an historical point of view.

030. Norms and Human Values
Department of Philosophy
Iona College
New Rochelle, NY 10801

Philosophy
Advanced
Undergrad

The main concerns of this course are to clarify and make explicit the fundamental evaluative concepts and forms of justification employed in human relations, and to indicate how interpersonal evaluation can be anchored in an understanding of the Self, both as an individual and a human being.

031. Philosophical Studies: Science and Human Values
William A. Rottschaefer
Lewis and Clark College
Portland, OR 94219

Philosophy
Introductory
Undergrad sci/nonsci majors

The aim of the course is to introduce students to ethical and value issues as they arise in the sciences, to provide students with basic knowledge of ethical systems and modes of analyses and to allow students to study in depth a single issue in the area of ethics and science.

032. Philosophy of Technology
William Jones, Philosophy
College of Arts and Sciences
Eastern Kentucky University
Richmond, KY 40475

Philosophy
Advanced
Undergrad nonsci majors

Survey of contemporary theories concerning interrelations of man, technology and nature. Emphasis given to ethical critiques of technology.

033. Philosophy of Technology
Philip Shepard
E-29 Holmes Hall
Lyman Briggs College
Michigan State University
East Lansing, MI 48824

Lyman Briggs College
Intermediate
Undergrad

Study of the major positions on the relationship of technology to both science and human values. Appraisals of the cultural significance of modern technology and its social forms.

034. Philosophy of Values
Joseph P. Ghougassian, Philosophy
University of San Diego
San Diego, CA 92110

Philosophy
Intermediate
Undergrad sci/nonsci majors

An introduction to axiology, the philosophical study of the nature of value in general, and of the principal types of values. Includes interdisciplinary applications technology and economy as experienced in the United States.

035. Physical Science and Society
Roger H. Anderson, Physics
Seattle Pacific University
Seattle, WA 98119

Natural and Math Sciences
Advanced
Undergrad nonsci

Three views of science. Science and human values, science and religion and technology and human values. Background and history of evolution of modern physical science. Evolution of scientific technological sensibility.

036. Problems in the History and Philosophy of Science (P)
Leslie J. Burlingame, History and Philosophy of Science
Franklin and Marshall College
Lancaster, PA 17604

History and Philosophy of Science
Introductory
Undergrad sci/nonsci majors, med students

Examination of the interaction of science, society, and values through two extended case studies: (1) Scientific Revolution (Copernicus through Newton) focuses on interrelations of scientific change and social, economic, political and cultural change; (2) Genetics and Society in the 20th Century discusses relationships between development and application genetics and social aims and values. Includes current debates.

037. Science and Culture in the 20th Century
James W. Atkinson and Walter C. Blinn
Michigan State University
East Lansing, MI 48824

Natural Science
General Education
Undergrad nonsci majors

Exploration of the relationship of revolutionary new ideas in 20th-century science such as evolution, relativity, quantum theory to similarly new movements in other areas of contemporary belief and values (World Views).

038. Science and Ethics
Finbarr O'Connor
Beaver College
Glenside, PA 19038

Honors
Advanced
Undergrad

A discussion with scientists from a variety of disciplines on ethics impinging on that discipline.

039. Science and Ethics
E. J. Schillinger, Physics;
J. W. Keating, Philosophy; and
R. C. Thommes, Biology
De Paul University
Chicago, IL 60614

Philosophy and Religion and Natural Science - Math
Undergrad sci/nonsci majors

Study of selected problems such as nuclear war and reactors, genetic engineering and life and death, affecting person and society with emphasis upon their ethical dimensions.

040. Science and Ethics (P)
Clark Glymour, Philosophy
University of Oklahoma
Norman, OK 73019

Philosophy
Introductory and Advanced
Undergrad sci/nonsci

Ethical issues in the conduct of scientific research, estimation of risk, responsibility of scientists for application of their work, freedom of inquiry and the responsibilities of institutions supporting science.

041. Science and Human Values
Donald H. Williams and Erw[illegible]J. Brink, Chemistry
Hope College
Holland, MI 49423

Interdisciplinary Studies
Advanced
Undergrad sci/nonsci majors

A senior level seminar examining the role of science in our environment, society and values and then the converse.

042. Science and Human Values

F. James Rutherford and James Connor
Science Education
New York University
Washington Square
New York, NY 10003

Science Education
Graduate level
Grad sci/nonsci majors

Object of the course is to get students to think about broad issues, express this thought in short, concise papers that reflect on the readings, and discuss thoughts in the class.

043. Science and Human Values

E. Hennick, General Studies;
J. White, Science, General Studies; and
Fred Wilson, National Institute of the Deaf
Rochester Institute of Technology
Rochester, NY 14623

Science and Humanities
Introductory
Undergrad sci/nonsci majors

A methodological approach to examine how we got our current values, the contributions of science to these values, the interactions of science with our values, and the dangers to our values from an uncontrolled technocracy. (Special section for both hearing and deaf students taught by Fred L. Wilson.)

044. Science and Human Values

Jack Merritt, Physics and David Sadava, Biology
Scripps College
Claremont, CA 91711

Humanities
Undergrad/grad nonsci majors

An overview of science-values relationships through readings and discussion.

045. Science and Human Values

Frank C. Andrews, Chemistry
Merrill College
University of California
Santa Cruz, CA 95064

Merrill College
Advanced
Undergrad sci/nonsci majors

Group independent study on science and human values.

046. Science and Human Values

Edward Manier, Philosophy
University of Notre Dame
Notre Dame, IN 46556

Philosophy
Introductory
Undergrad

Deals with the ethical, political, aesthetic and religious dimensions of scientific activity, and with the scientific and technological dimensions of ethical and political deliberations.

047. Science and Human Values (P)

J. Clayton Feaver, Philosophy
and J. Herbert Hollomon
University of Oklahoma
Norman, OK 73019

Philosophy
Advanced
Undergrad sci/nonsci

Studies in "new" knowledge about (1) the nature and function of man, (2) the nature and function of human values, (3) the nature and function of human knowledge, (4) the process and techniques of human learning and creativity and (5) the effects of science and technology on human institutions and the individual human being.

048. Science and Human Values

West Chester State College
West Chester, PA 19380

Science
Advanced
Undergrad sci/nonsci majors

Topics vary depending upon the instructor.

049. Science and the Modern World
William J. Birdsall, Chemistry
Albright College
13th and Exeter
Reading, PA 19604

Science
Introductory
Undergrad nonsci majors

Designed to introduce the non-science major to some basic thoughts of modern science, with the added intent of establishing relationships between science and human values. Selected topics are discussed each semester that relate to the impact of science on society.

050. Science and Social Responsibility (P)
David Weisbrot, Biology
The William Paterson College of New Jersey
300 Pompton Road
Wayne, NJ 07470

Biology
Advanced
Undergrad sci/nonsci majors

Some topics covered are: race and I.Q., ethics of research, genetic engineering, genetic screening, mutagenesis, behavior control, euthanasia, genetics and politics, medicine and ethics.

051. Science and Technology in Humanistic Perspective
Hans O. Tiefel, Religion and
Gerald Johnson, Geology
College of William and Mary
Williamsburg, VA 23185

College Course
Introductory and Advanced
Undergrad

A study of the nature and interrelationships of science and technology. Influence of science and technology on social and political decisions, and an evaluation of their moral and religious implications. Issues include: nuclear power and weapons, earthquake prediction, uses of land and water.

052. Science and Values or Science, Technology and Human Values
William E. Schmidt, Chemistry and
William C. Parke, Physics
George Washington University
Washington, D.C. 20006

Experimental Humanities
Introductory
Undergrad/grad sci/nonsci majors

A study of the effect of scientific knowledge and technology on social institutions and the image of man, the question of ethics and morality in science, and the science of values.

053. Science and Values
James F. O'Brien, Philosophy
Villanova University
Villanova, PA 19485

Honors
Advanced
Undergrad sci/nonsci majors

Scientific revolutions and the search for truth; science, scientists and the quest for the good life; crisis in science and crisis in values; the environmental problem and the good of mankind.

054. Science as Human Endeavor
Bruce MacLaren and William H. Martin
Eastern Kentucky University
Richmond, KY 40475

General Studies Science
Introductory
Undergrad

Explores science as a human experience. Lecture/discussions include: science as a creative problem-solving process; values of scientists; misunderstandings of science; scientific revolutions in biology, astronomy, geology and psychology; science and human values.

054A. Science in the World

Gordon Fisher
Department of Mathematics
Madison College
Harrisonburg, VA 22801

Honors/Interdisciplinary
Introductory, honors
Undergrad

A general introduction to the place of science in our culture and how it bears on our values.

055. Science, Society and Ethics

John Burkholder, Biology, et al
McPherson College
McPherson, KS 67460

Natural Science
Advanced
Undergrad

A review of selected developments in the natural sciences which have the potential to have major effects upon society. The ethics of alternative positions with respect to these developments will be examined.

056. Science, Technology and Human Values

Darwin H. Stapleton, HSST
Case Western Reserve University
Cleveland, OH 44106

History of Science and Technology
Advanced, no prerequisite
Undergrad/grad sci/nonsci

Students read and discuss several books, write and present in class a research paper, and take an essay examination. Some topics: ecology, labor, philosophy/theology.

057. Science, Technology and Man

James A. Blachowicz, Philosophy
Loyola University of Chicago
Chicago, IL 60626

Philosophy
Introductory
Undergrad sci/nonsci majors, med students

Introduction to philosophy by developing a small number of selected issues that relate to the impact of the development of science and technology on human value/culture such as freedom, technology, technocracy and causality.

058. Science, Technology, and Values

Eugene E. Selk, Philosophy
Creighton University
Omaha, NE 68178

Philosophy
Advanced
Undergrad sci majors

Discussion of ethical issues raised by science and technology. The specific problems discussed are: environmental ethics, the growth no-growth controversy, population control, genetic engineering, technology assessment, and privacy. The course also considers science and technology themselves as values, i.e., the new anti-scientism.

059. Science, Technology and Values (P)

C. L. Sanford, Humanities;
Jos. Brown, History; and
Prof. Livingston, Political Science
Rensselaer Polytechnic Institute
Troy, NY 12181

Human Dimensions Center
Introductory
Undergrad/grad

The course's primary objective is to acquaint students with an inter- and multi-disciplinary approach to value problems touching scientific and industrial activities in contemporary society.

060. Science, Technology and Values
Department of Philosophy
University of Dayton
Dayton, OH 45469

Philosophy
Service
Undergrad sci/nonsci majors, engineering students

Examines value contexts operative in current uses and advances in science and technology. It addresses the impact of science and technology on individuals and institutions and examines the utopian, dystopian and socialist views of science and technology.

061. Science, Technology and Values
Karl Krause, Philosophy
Valparaiso University
Valparaiso, IN 46383

Philosophy
Introductory
Undergrad sci/nonsci majors

This course attempts to relate science and technology to the most important intellectual, social, and ethical values that have characterized the Western world at various times since the 11th century.

062. Science Thought
W. Gale Rhodes, et al
Maryville College
Maryville, TN 37801

Science
Introductory
Undergrad

An attempt to delineate and analyze for lay persons the nature of the scientific view of the universe and to consider the direction of modern science and technology. Four sections: Scientific perspectives on (1) human origins, (2) human nature, (3) human values, and (4) human destiny.

063. Social Ethics in Technological Society
Eugene M. Klaaren, Religion
College of Social Studies
Wesleyan University
Middletown, CT 06457

Social Studies
Advanced
Undergrad/grad sci/nonsci majors, law/med students

Examination of the adequacy of selected social-ethical ways of life and thought against a background of current interpretations of technological society.

064. Social Issues in Biology
George Kieffer, Ecology, Ethology and Evolution
University of Illinois
Urbana, IL 61801

Biology
Advanced
Undergrad/grad, general

Ethical and socio-political implications of the biological sciences; an issues oriented lecture-discussion format centering on problems such as bioethics, genetics and development, health care and allocation of scarce resources, death and dying, behavior manipulation, biological experimentation, population control, and environmental ethics.

065. Technological Change and Human Values (P)
Thomas J. Knight, Social Science and History
Pennsylvania State University
University Park, PA 16802

Science, Technology and Society
Advanced
Undergrad/grad sci/nonsci

Consists of readings on the social and ethical effects of the bomb on war, the computer on work, the pill on reproduction, the TV and the couch on personality, and the state on freedom and dignity. Guest lecturers and panelists, from the sciences and humanities.

066. Technology and Culture
D. Beaver
Williams College
Williamstown, MA 01267

History of Science
Intermediate junior and senior
Undergrad

An historical inquiry into the nature of technology, its effects on society, and the social forces which affect its development and diffusion. The impact of technology on human values and conduct, especially where subtle and unexpected.

067. Technology and Human Values or Technology and Lifestyles
R. J. Tollefson, Philosophy and Religion
Buena Vista College
Storm Lake, IA 50588

Religion
Introductory
Undergrad

A one-semester survey of alternate interpretations of technological dynamics in our culture and value questions being raised.

068. Technology and Human Values
Philip A. Pecorino and Argyrios Vourkas
Queensborough Community College
City University of New York
Bayside, NY 11364

Social Sciences
Introductory
Undergrad sci majors

A study of the major social, economic, political, psychological and philosophical problems arising from our contemporary socio-economic order; the consequences of technological progress in an advanced industrial society.

069. Technology and Human Values
Bernard Murchland, Philosophy
Ohio Wesleyan University
Delaware, OH 43015

Philosophy
Introductory
Undergrad

Course focuses on ways technology impacts on our value decisions and alters the traditional dialectic of freedom and alienation.

070. Technology and Human Values
Dennis Holt
Southeast Missouri State University
Cape Girardeau, MO 63701

Philosophy
Introductory
Undergrad

Emphasis on questions of world view: the metaphysical and epistemological presuppositions and implications of science. Some discussion of specific value questions, e.g., animal rights, reliance upon technology, ecological ethics, computers and privacy.

071. Technology and Human Values
Larry Hickman and Azizah Cox
Department of Philosophy
Texas A & M University
College Station, TX 77843

Philosophy
Introductory
Undergrad sci/nonsci majors

An attempt is made to introduce the student to important viewpoints advanced concerning the role of technology in human experience especially as that experience changes in response to periodic technical revolutions.

072. Technology and Human Values (P)
Georgios Anagnostopoulos, Philosophy
University of California, San Diego
La Jolla, CA 92093

Science, Technology and Public Affairs
Introductory
Undergrad

Traditional ideas of nature and the rise of science and technology. The influence of the rise of science and technology on political ideals, on human life, on freedom, on education and on warfare.

073. Technology and Human Values
B. B. Saleeby, Engineering and
B. Mathieu, English
University of New Haven
West Haven, CT 06516

Humanities
Advanced
Grad

The influence of applied science and technology on man's conception of himself, his society and his environment is studied through a selection of contemporary readings. Selected issues are developed to assess the meanings--pro and con--of technology, the nature of social change, and the basis of sound policy formulation and future planning.

074. Technology and Human Values (P)
Coralie Beyers, English;
Ed Vendell and Clair Batty, Engineering
Utah State University
Logan, UT 84322

Humanities, Arts and Social Sciences
Advanced
Undergrad/grad

An examination of attitudes regarding technological advancements. The course was designed to examine the impact of technology upon society and the individual. It is a values course which is intended to bring together students from differing dicisiplines to examine the history and direction of technology.

075. Technology and Human Values (P)
Barry D. Lichter and Michael P. Hodges
Technology and Public Policy
Vanderbilt University
Nashville, TN 37235

Philosophy
Intermediate
Undergrad, arts and sci and engineering majors

Examination of moral problems arising out of the impact of technology on man. Readings and class discussions of important works in ethics and political philosophy. Case studies of the impact of technology on the individual and on society in contemporary settings. Examines degree to which engineering design (including assessment and forecasting) has confronted value issues.

076. Technology and Society
Melvin Gerstein
School of Engineering
University of Southern California
Los Angeles, CA 90007

Engineering
Introductory
Undergrad nonsci

Deals with the moral and ethical problems associated with technological development as well as the social, economic, and resource pressures which lead to these developments.

077. Technology, Ecology, Morality (P)
James R. Arnold
Science, Technology and Public Affairs
University of California, San Diego
La Jolla, CA 92093

Science, Technology and Public Affairs
Introductory
Undergrad, scientists and engineering majors

Study of the effects of technological development on the welfare of human beings and other living things. Topics like nuclear weapons, the space program and DDT will be treated with some depth. Course designed for those concerned with examining the moral aspects of their career choices and those interested in this broad complex of issues.

078. Technology, Society and Human Values
H. William Welch, et al, Engineering
College of Engineering and Applied Sciences
Arizona State University
Tempe, AZ 85281

Engineering, Humanities
Advanced
Undergrad/grad sci/nonsci majors

Systems approach to interactions within cultural system (technology, society, human value) and natural system (animal, vegetable, mineral). Emphasis on interdisciplinary thought, objective and subjective. Extensive reading list, books and periodicals, fiction and non-fiction.

079. Technology, Values and Changing Life-Styles (P)
Edward Daub
Man, Technology and Society
University of Wisconsin
Madison, WI 53706

General Engineering
Introductory
Undergrad/grad sci/nonsci majors

An examination of value judgments in science and technology; the differences between science and technology; the role of technology in generating social change and in solving social problems; the question whether advances in health technology abolish human traditions; the relevance of EVIST to life and career.

080. Technology, Values and Society (P)
Robert Balmer, Energetics and
Bernard Gendron, Philosophy
University of Wisconsin
Milwaukee, WI 53201

Philosophy
Undergrad

Discussion of controversies over whether modern technology is a progressive or regressive force in human life. Impact of technology on individual and institutional values.

081. Technology, Values and Society (P)
Rolf Buchdahl
Technology and Human Affairs
Washington University
St. Louis, MO 63130

Technology and Human Affairs
Introductory
Undergrad sci/nonsci majors

Topics include: Engineering and social change; objectives, methodologies and changing world views of science; the emergence and meaning of technology in the 20th century; scope, priorities and achievements of the technological enterprise in the United States; ethical and moral responsibilities of the technologist as a member of society; considerations in determining which technologies should be developed and for what purpose.

082. Three Trials of Science
Daniel P. Jones, General Science
Oregon State University
Corvallis, OR 97331

General Science
Introductory
Undergrad sci/nonsci majors

Consideration of the cases of Galileo, Scopes trial and J. Robert Oppenheimer in which science was seen as a serious threat to accepted beliefs resulting in a dramatic confrontation between science and society.

083. Tragic Choices (P)
G. Calabresi
Yale Law School
New Haven, CT 06520

Postgrads in law, med, and med sociology

A consideration of choices which a society cannot avoid making but which may undermine fundamental values of that society. Allocation of artificial kidneys, service in a limited war and population control will be discussed. Methods for approaching a "first order" determination, disadvantages and advantages of responsible political bodies, the market, juries and lottery systems in making such choices will be examined.

084. Utopias and the Idea of Progress (P)
Leslie J. Burlingame,
History and Philosophy of Science
Franklin and Marshall College
Lancaster, PA 17604

History and Philosophy of Science
Introductory
Undergrad sci/nonsci majors

The Scientific and Industrial Revolution produced the belief that utopia could be realized in the future on this earth. As science was increasingly applied to technological development, fears grew about the future (reflected in "dystopias"). Will human values be destroyed or will science and technology provide a means for establishing an ideal society? What does one mean by an ideal society?

085. Value and Welfare
Wendell Gordon
Department of Economics
University of Texas
Austin, TX 78712

Economics
Advanced
Undergrad/grad

Study of technology, institutional relations, value theory.

086. Values
Edward A. Langerak, et al
St. Olaf College
Northfield, MN 55057

Interdisciplinary
Introductory
Undergrad

An introduction to the nature of values and their role in society. Analysis of value-laden solid issues such as medical ethics, the environmental crisis and technological change.

087. Values and Oceanic Technology
Dale D. Simmons, Psychology
Oregon State University
Corvallis, OR 97331

Psychology
Advanced
Grad sci majors

Focus on the impact of oceanic technology upon personal values. The content of the course will be developed in spring 1977.

088. Values and Technology
Frederick Ferré
Dickinson College
Carlisle, PA 17013

Philosophy
Advanced
Undergrad

Explores the foundations of technology in science and culture, with values assessment both of these foundations and of technological impact on society.

089. Values and World-Views in Science Education (P)
Michael H. Zenzen, Philosophy and
Henry B. Hollinger, Chemistry
Rensselaer Polytechnic Institute
Troy, NY 12181

Philosophy
Advanced
Undergrad/grad sci majors

Reflection on the process of science education. Values and world-views operative within science are implied in the methods and techniques of science and in the behavior of the scientist in his work and teaching. Science education is studied as a complex "apprenticeship" in which there is a tension between values such as "creativity" and "objectivity."

090. Values in a Technological Society

Morton Schagrin, Philosophy
State University College
Fredonia, NY 14063

Philosophy
Advanced
Undergrad sci/nonsci majors

An examination of those features of a technological society that affect our ethical and political values. What values are threatened by a technological society, and which ones are supported by it. How values are determined and how they may be maintained.

091. Values, Systems, Society

Hans H. Rudnick, English;
Jon Muller, Anthropology; and
Risieri Frondizi, Philosophy
Southern Illinois University
Carbondale, IL 62901

General Studies
Introductory
Undergrad

Application of general systems philosophy to ethical and moral decisions in technological society. Special emphasis is the individual's respect for the environment and social responsibility.

092. Women and Technology

Philip L. Bereano, SMT Women Studies
Christine Bose, Sociology, Women Studies
University of Washington
Seattle, WA 98195

Social Management of of Technology
Intermediate
Grad nonsci majors

Designed for those interested in an investigation of the interaction between technology and women. Topics include: Comparing technological rationality with feminist modes of thought (focusing on values which are or could be applied in assessing technologies in order to evaluate their effects), the impact of industrialization and the division of labor in the home and labor force, technologies which particularly impact women (such as Ob/Gyn care), and investigating how the needs of women can be met through technological means.

Societal Perspectives

093. Sociology 460

David M. Freeman, Sociology
College of Humanities and Social Sciences
Colorado State University
Fort Collins, CO 80523

Sociology
Advanced, upper division
Undergrad/grad sci/nonsci majors

The analytical framework presented in the course reveals technology to be a central social phenomenon intimately affecting, and being affected by, social roles, power, status and values.

094. America and the Future of Man

Paul D. Saltman, Biology
Courses by Newspaper
University of California, Extension
La Jolla, CA 92093

University Extension
Introductory
Undergrad, general adult population

Emphasizes the impact of technology, biological and medical advances, and social change on our society, our value systems and the quality of life. Examines American experience and its implications for the future.

095. Contemporary Technological Society (P)
Robert E. McGinn
Stanford University
Stanford, CA 94305

Values, Technology and Society
Undergrad

The nature, significance, problems, and potentials of contemporary technological society, with special reference to America in the 1970's. Topics: technology and the transformation of cultures; evaluative frameworks for assessing social changes arising out of technological innovations; ethical and legal significance of biomedical and behavioral technologies; technology, science, and the emergence of modern consciousness; technology and the fabric of experience in pre-modern English village and 20th-century American life; and the politics of high technology business and government.

096. Knowledge, Science, and Society
John J. Lally, Sociology
Lehman College
City University of New York
Bronx, NY 10468

Sociology
Advanced
Undergrad nonsci majors

Discussion of: social construction of reality; relationships between culture, including knowledge and social structure; the cultural and social bases of science; science in totalitarian and democratic societies; science in the university, in industry, and in government; the social process of scientific discovery. Selected ethical problems concerning science in modern society.

097. Law and Society
Marilyn Gerber, History
California State College
Dominguez Hills, CA 90747

History
Grad

Consideration of issues of values relating to science and society.

098. Nature, Technology and Society
Henry J. Folse
Department of Philosophy
The College of Charleston
Charleston, SC 29401

Philosophy
Introductory
Undergrad

An examination of philosophical problems arising from the impact of science and technology on contemporary society. Topics include the relation of technology to society and political systems, the place of the individual within a modern technocratic society, the influence of technology on the human view of nature, the question of human values and scientific knowledge.

099. Philosophy and Public Affairs
Eben Moulton, Deborah G. Johnson, and Donna McKernan
Old Dominion University
Norfolk, VA 23508

Philosophy
Introductory
Undergrad

A study of such contemporary moral issues as war, punishment, discrimination, sex, the obligation of scientists, biomedical technology.

100. Philosophy, Science and Modern Culture
Ronald L. Hall and James Von Frank
Francis Marion College
Florence, SC 29501

Philosophy
Advanced
Undergrad

A philosophical examination of the nature and scope of the scientific enterprise and its place in modern culture. Discussion of the impact of science on ethics, religion and society.

101. Problems of Man in the Modern World
Forrest McCready
Blue Ridge Community College
Weyers Cave, VA 24486

Social Science
Introductory
Undergrad

A survey of contemporary social, political, and economic problems related to industrialization, urbanization, the role of government, national and international tensions.

101A. Problems of Technological Society
Walter B. Mead, Political Science
Illinois State University
Normal, IL 61761

Political Science
Advanced
Undergrad

Study of the impact of technology as it affects values, life styles, politics, privacy and the problem of technology becoming "master" rather than "servant."

102. The Role of Science in Advanced Industrial Societies
Donald deB. Beaver
Williams College
Williamstown, MA 01267

History of Science
Junior and senior
Undergrad

The dependence of modern societies on scientific knowledge and technology, and the problems engendered by this dependence.

103. Science and Civilization
James M. Swanson, History
University of South Florida
Tampa, FL 33620

History
Advanced
Undergrad/grad sci/nonsci majors

A study of the interrelationship of science and society with emphasis on science as a social activity with moral and ethical implications.

104. Science and Society
Sr. Marian Jose Smith
College of St. Elizabeth
Convent, NJ 07961

Chemistry
Introductory
Undergrad nonsci majors

A multidisciplinary course which presents some problems of contemporary life in such a way that the student understands the influence chemistry and related sciences have on his life. An examination of the values pertinent to some scientific problems.

105. Science and Society
Roland Chapdelaine, Biology
Mark Canfield, Sociology
Howard Community College
Columbia, MD 22044

Science/Sociology
Introductory
Undergrad sci/nonsci majors

Students learn principles necessary to evaluate developments in such areas as: genetics, cybernetics, environmental pollution, energy and computer technology.

106. Science and Society
H. Priestley, Physics; L. Factor, Philosophy; and J. Fitzgerald, Sociology
Knox College
Galesburg, IL 61401

Physics
Advanced
Undergrad sci/nonsci majors

Focuses on the importance of (1) value judgments, (2) the need for many inputs (science-technology, social, political, economic) in viable solutions to technology-based social problems. Social responsibilities of scientist is also an integral component of the course.

107. Science and Society
Robert E. Kohler and Darryl Chubin
History and Sociology of Science
University of Pennsylvania
Philadelphia, PA 19104

History and Sociology of Science
Introductory
Undergrad sci/nonsci,
Wharton School of Business

Historical and sociological views of modern science as a cultural activity. The community of science, its ideology, and the policy and ethical problems of scientific knowledge and scientific experts in a complex society.

108. Science and Society
Arthur A. Adams III, Physics
Virginia Military Institute
Lexington, VA 24450

Philosophy
Advanced
Undergrad sci/nonsci

An examination of the cultural, technological and social impact of science on society, with emphasis on energy sources, world resources, population and the spread of nuclear weapons. Other topics center around the ethical and moral dilemmas brought on by modern science.

109. Science, Technology and Human Values
Sr. Ann Gertrude, Chemistry
and Sr. Colman, Biology
Ursuline College
2600 Lander Road
Cleveland, OH 44124

Science
Introductory
Undergrad nonsci

A study of selected areas in the physical and biological sciences and the relationships among science, technology, and social change. Emphasis is on future science and social values.

110. Science, Technology and Society
Philip M. Ogden, Physics, et al
Roberts Wesleyan College
2301 Westside Drive
Rochester, NY 14624

Interdisciplinary Studies
Introductory
Undergrad

An introduction to the general nature of scientific activity and to the nature of social problems associated with scientific and technological developments. Consideration is given to the philosophical, moral and ethical implications of scientific and technological activity.

111. Science, Technology and Society
Barrett Potter, Social Science
Agricultural and Technical College
State University of New York
Alfred, NY 14802

Social Science
Introductory
Undergrad sci/nonsci majors

A survey of the growth and impact of science and technology upon American society and culture. Beginning with the nineteenth century, the course emphasizes scientific and technological changes and the problems associated with these developments in industry, ecology, human values.

112. Seminar in Social Values
Thomas M. Osborne
Wheaton College
Norton, MA 02766

Sociology
Advanced
Undergrad

Approaches to the composition and study of social values in their application to social interaction. Place of values in technologically advanced society.

113. Seminar: Technology and Society
C. Keith Boone, Religion
and David Anderson, Physics
Oberlin College
Oberlin, OH 44074

Religion/Physics
Advanced
Undergrad

A topical seminar in which a number of issues ranging from nuclear energy to bio-medical technology, are discussed and value implications drawn out.

114. The Sociology of Science and Technology
James Foreman, Sociology
Marian College
45 South National Avenue
Fond du Lac, WI 54935

Sociology
Advanced
Undergrad

An analysis of how the impact of science and technology have influenced the values and behavior of individuals in modern society; science is examined in its institutional as well as conceptual forms.

115. Technology and Social Values
James Fisher, Philosophy
University of Santa Clara
Santa Clara, CA 95053

Philosophy
Advanced
Undergrad

A study of technology from the following viewpoints: The context of technology (fundamental human values); the nature and goals of technology; the promise of technology and its associated threats; human problems in which technology seems implicated; and the relation of philosophy of technology to some traditional philosophical problems.

116. Technology and Society
Julian T. Euell, Sociology
Ithaca College
Ithaca, NY 14850

Sociology
Undergrad sci/nonsci

Objectives will be to respond to the following issues: (1) What sorts of understanding can we have about how technology and social processes relate to one another; (2) what values, beliefs and ways of thinking create contexts for new technology; (3) how can new technology present opportunities to create different social organization.

117. Technology and Society
Julius Brown and George Arnold,
Engineering
Southern Illinois University
Edwardsville, IL 62026

GSM
Introductory
Undergrad

Interaction of technology and society with emphasis on technology's impact on the organization of society, ethical and moral aspects, assessment, forecasting, effects on emerging nations. Some topics considered: Pollution, energy, world food distribution, population control, technology, decision-making.

118. Technology and Society
Team taught (Contact George Lindauer)
Speed Scientific School
University of Louisville
Louisville, KY 40208

Advanced
Undergrad/grad

Examines the impact of technology on today's society from the social systems, political structure, economic systems and ethical viewpoints.

119. Technology and Society
George Hankins, Engineering
Larry Cross, Sociology
Wright State University
Dayton, OH 45421

Engineering/Sociology
Advanced
Undergrad sci/nonsci majors

Study of the interactions of technological developments and human values and identification of patterns and trends in developments of technology.

120. Technology in Contemporary Western Culture
David C. Botting, Humanistic Social Studies
University of Washington
Seattle, WA 98195

Humanistic Social Studies
Advanced
Undergrad sci, engineering, and architecture majors

An examination of the impact of technology on the physical and social environment of contemporary society, focusing on social change, values and institutions.

Human Identity (Human Nature)

121. Biosocial Evolution of Man
Michael Kamrin, et al
Michigan State University
East Lansing, MI 48824

Natural Science
Introductory
Undergrad nonsci majors

Man's current understanding of himself and his beliefs as products of biological and cultural evolution. Implications for man's future.

122. The Challenge of Technology: Philosophically Considered
Peter Pezzolo
Kean College of New Jersey
Union, NJ 07083

Philosophy
Advanced
Undergrad

Consists of a chapter in the history of philosophy which is only now being written: Is technology compatible with human autonomy and spontaneity? Is the control of nature possible without the death of the 'natural'? Is technological progress human progress?

123. Changing Concepts of the Universe
Michael Kamrin, et al
Michigan State University
East Lansing, MI 48824

Natural Science
Introductory
Undergrad nonsci majors

Man's attempts to understand the universe and his place within it. The interaction between scientific concepts and the beliefs and values of the culture in which they are proposed.

124. Cosmologies and Worldviews (P)
Clifford Josephson, English and
John R. Burke, Physics and Astronomy
San Francisco State University
San Francisco, CA 94132

NEXA
Introductory
Undergrad sci/nonsci, humanities and arts majors

In every era, mankind has established correspondences between concepts of the universe and concepts of self and society. Course establishes the extent and implications of these correspondences in pre-Columbian, Renaissance and modern cultures.

125. Dimensions of Self and Mind
Jacquelyn A. Kegley, Philosophy
California State College
Bakersfield, CA 93309

Philosophy
Advanced
Undergrad sci/nonsci majors

A critical analysis of various concepts of self-mind and person and discussion of the impact of technology and science on our notions of self.

126. Freedom in the Modern World
Helen J. John, Philosophy
Trinity College
Washington, D.C. 20017

Philosophy
Introductory and Advanced
Undergrad/grad sci/nonsci majors

Science and man's freedom, personal identity in the new social order; technological control and human values; the existential protest in behalf of freedom and responsibility.

127. Human Nature and Human Values
Irving G. Foster, Physics
Eckerd College
St. Petersburg, FL 33733

NVS
Advanced
Undergrad sci/nonsci majors

Considers the questions: Are the values of our Western culture compatible with 20th century scientific views of the nature of man? To What extent have our modern scientific views of man changed the traditional value system of Western culture?

128. Human Nature and Society
James Boston
Hood College
Frederick, MD 21701

Philosophy
Introductory
Undergrad

A critical analysis of selected philosophical problems concerning the nature of human beings and society. Such problems as freedom and responsibility, education, the state, technology and the family will be considered.

129. Human Nature, Human Intervention, and Human Development
James E. Trosko
Department of Human Development
and Justin Morrill College
College of Human Medicine
Michigan State University
East Lansing, MI 48824

Justin Morrill College
Introductory
Undergrad nonsci majors

An examination of historical views of human nature and an evaluation of agreement or conflict with various recent scientific evidence. New scientific models of human nature such as nature and nurture, cybernetic, hierarchical or systems, bio-cultural evolutionary will be discussed.

130. Humanistic Psychology
John Mahoney, Psychology
Virginia Commonwealth University
Richmond, VA 23284

Psychology
Advanced
Undergrad/grad

Study of the impact of science on our assumptions about the world, human society and the individual.

131. Ideas of Race in Science and Society (P)
Diane Johnson, Letters and Science;
William Van Deburg, Afro-American Studies
Edward Daub, Engineering
University of Wisconsin
Madison, WI 53706

Afro-American Studies/
General Engineering
Introductory
Undergrad

An examination and analysis of the relationship between intelligence and race. History of scientific concepts of race and of the relationship between scientific theory and racism.

132. Man's Nature
Staff (Contact Andrew McClary)
Michigan State University
East Lansing, MI 48824

Natural Science
Introductory, Honors
Undergrad

Various issues confronting modern man in his attempt to understand his biological self. Emphasis on the role that science can play in helping to resolve these issues.

133. Modern Man and Science
James W. Felt and James G. Fisher
Department of Philosophy
University of Santa Clara
Santa Clara, CA 95053

Philosophy
Introductory
Undergrad sci/nonsci majors

An examination of the impact of science on the way modern man views himself and his world. Toward a human reassessment.

134. The Newtonian Revolution (P)
Edwin Nierenberg, English and
David Meredith, Mathematics
San Francisco State University
San Francisco, CA 94132

NEXA
Advanced
Undergrad sci/nonsci,
humanities and arts majors

The impact of Newtonian science and method on eighteenth century society, literature, art and philosophy with special emphasis on changing conceptions of human nature. The origin of the modern technological world.

135. Psychological Research and Christian Belief
David Myers
Hope College
Holland, MI 49423

Interdisciplinary Studies
Introductory
Undergrad

Examines human nature from scientific and theological perspectives.

136. The Scientific Dimension of Life
Richard A. Leo, Physics, et al
Grove City College
Grove City, PA 16127

Science
Introductory
Undergrad sci/nonsci majors

An endeavor to assist the student to gain knowledge and appreciation of the role of science in the past and present, and to learn how science has changed the way in which man views the universe, the phenomenon of life and the nature of man.

137. Self and Society
James E. Gallagher, Sociology
University of Maine
Orono, ME 04473

Sociology
Introductory
Undergrad

An investigation into the development of self concept in industrialized society.

138. Social Philosophy
Robert Coburn, Philosophy
University of Washington
Seattle, WA 98195

Philosophy
Advanced
Undergrad/grad sci/nonsci majors

Focuses on philosophical issues concerning liberty and justice. Specific topics may include technology assessment, privacy, the right to die, and the allocation of resources to save lives.

139. Split Brain/Split Culture? (P)
George Araki, Biology and
Anita Silvers, Philosophy
San Francisco State University
San Francisco, CA 94132

NEXA
Advanced
Undergrad sci/nonsci, humanities and arts majors

An investigation of how biological, psychological, conceptual and cultural factors in the development of consciousness are integrated in individuals and collectively within society. Examination and evaluation of dualisms such as right brain-left brain, animal-human, intuition-reason, art-science and east-west.

140. Technology and the Future of Man
William B. Jones, Joong Fang and
R. Baine Harris, Philosophy
Old Dominion University
Norfolk, VA 23508

Philosophy
Advanced
Undergrad/grad

A philosophically oriented analysis of the nature of man and his place in the universe with special attention to the role of the practical arts and crafts and technology generally both in the historical development of man and in the present and future course of human affairs. Varies with instructor.

141. Technology and the Individual
Walter L. Fogg
Northeastern University
Boston, MA 02115

Philosophy
Introductory
Undergrad sci/nonsci majors
med students

The tensions between humanism, its values and beliefs and the accelerating changes of modern technological society. Issues are the relation of technology to human freedom and privacy, the effects of "future shock" upon the individual, the possibility of the tyranny of a technological elite, and the future prospects for humanity.

142. Technology and Virtue (P)
Demetrius J. Hadgopoulos
Department of Philosophy
University of Oklahoma
Norman, OK 73019

Philosophy
Introductory
Undergrad

The course is designed to show the impact of technology on traditional conceptions of the good man. It emphasizes technology's relation to an ethics of virtue, being, character, or ideals in comparison to an ethics of duty, doing, action and principles.

143. Technology, Freedom and the Nature of Man
Robert C. Schultz and Frank Seeburger, Philosophy
University of Denver
Denver, CO 80208

Philosophy
Intermediate
Undergrad sci/nonsci majors, law students

The deepening crisis in man's relation to his natural, technological and social environments invites attention by philosophers who try to understand the predicament, as well as to help present value priorities in the quest for a human life worth living on this earth. Specific topics: the meaning of technology, the concept of nature, value aspects of the energy crunch, the growth ethic, and others.

144. Values and Natural Science (P)
Robert R. Orpinela
Technology and Society
Raymond College
University of the Pacific
Stockton, CA 95211

Technology and Society
Undergrad, law, sci/nonsci majors

An examination of some of the important ways in which the natural sciences have brought about new understandings of man (especially those tendencies congruent with a more humanistic understanding of man) and hence of the nature of value.

Biology and Human Affairs

145. Bioethics
Virginia Dix, Biology and Physical Science
C. C. Thomas, Philosophy and Religion
Fayetteville State University
Fayetteville, NC 28301

Interdisciplinary
Advanced
Undergrad

Designed to focus attention on the biological nature of man, his ethical values, and the relationship to man's survival. Through assigned readings, discussions and lectures, students will address such topics as: Human identity, quality of life, heredity and environment in shaping man's nature.

146. Bioethics (P)
Thomas A. Shannon and Bruce A. Langdon
Worcester Polytechnic Institute
Worcester, MA 01609

Humanities
Introductory
Undergrad sci majors

An evaluation of the social impact of technology in the areas of life sciences, biomedical engineering and chemistry. The focus is on human values in these areas and how they are affected by technological developments.

147. Biological Perspectives
Russell Rulon, Biology
Luther College
Decorah, IA 52101

Biology
Grad

A study of the nature of the life process with an emphasis on the philosophical, ethical, political and economic implications of modern biological knowledge.

148. Biological Revolution and the Ethical Implication
Donald R. Ramage and Huston M. Awalt
Belmont College
Nashville, TN 37203

Biology
Introductory
Undergrad

Introduction to contemporary societal problems resulting from technological advances (organ transplants, abortion) and how people go about making these decisions.

149. Biology and Contemporary Ethical Issues
William H. Volker, Biology
Thomas More College
Fort Mitchell, KY 41017

NSC
Introductory
Undergrad nonsci majors

A scientist surveys and interprets the present and predictable, future state of scientific studies to assist participants in making ethical judgments concerning controversial contemporary scientific matters, for example, fertility control, genetic engineering, drug use, abuse, experimentation.

150. Biology and Human Affairs
George H. Kieffer, Ecology, Ethology and Evolution
School of Life Sciences
University of Illinois
Urbana, IL 61801

Biology
Introductory
Undergrad nonsci majors

Goal is to communicate an attitude labeled "biological awareness." Students are exposed to a variety of areas where biology has a significant input or interface. Special emphasis is placed on the value questions raised by these relationships.

151. Biology and Human Values
Janice C. Kemp and Larry Stewart, Biology
St. Mary's College
Notre Dame, IN 46556

Biology
Introductory
Undergrad nonsci majors

An exploration of biological problems of vital social and ethical concern. The course relates the concepts of the biological sciences to the student's general experience in life.

152. Biology and Human Values
Thomas P. Fondy, Biology
Syracuse University
Syracuse, NY 13210

Biology
Introductory
Undergrad nonsci majors

Biological topics of vital social and ethical concern: Biology and the human condition, threats to survival, future of humankind, nature and meaning of man.

153. Biology and Society
Thomas Butterworth, Biology
Western Connecticut State College
Danbury, CT 06810

Biology
Introductory
Undergrad sci/nonsci majors

An investigation of ethical and social implications of technological developments and scientific knowledge, with exploration of alternative solutions to ongoing problems in food, energy, settlements and environment. Topics considered: Genetic engineering, over-population, aging and dying, environmental pollution, quality of life.

154. Frankenstein Revisited: Bioethics and the Future of Man
Newtol Press, Zoology and
Susan Skelton, Comparative Literature
University of Wisconsin
Milwaukee, WI 53201

Comparative Literature/
Zoology
Introductory
Undergrad

Study of the cultural, ethical and aesthetic implications of biological technology, genetic engineering, population control, social predestination, and human ecology.

155. Genetics and the Future of Man
Paul Homsher, Biology
Old Dominion University
Norfolk, VA 23508

Biology
Introductory
Undergrad

Trends in genetics, possible social, moral, biological effects on man.

156. Man Adapting
Alice Hayes, Natural Science;
Jo Hays, History; and M. Andre, Natural History
Loyola University
Chicago, IL 60626

Natural Science
Introductory
Undergrad

Presentation of some current scientific topics from a biological base. The relationship of man to nature in various social, cultural and ethical situations will be considered informally. Sequence and emphasis in discussion topic selection is determined by student preference. Some topics explored are genetics, race, evolution, disease, aging, drugs, population control.

157. Man, Nature and Society
Paul I. Germann, Biology
College of St. Thomas
2115 Summit Avenue
St. Paul, MN 55105

Biology
Introductory
Undergrad nonsci majors

Concerned with biological principles of social and ethical problems in today's society. Discussion of the latest science (biological) advances and how these often involve value judgments in establishing priorities. Course attempts to teach the scientific laws and principles involved in areas where political, social, legal or ethical decisions must be made.

158. Newer Developments in Biological Science
Thomas Butterworth, Biology
Western Connecticut State College
Danbury, CT 06810

Biology
Advanced
Grad

Exploration of recent scientific and technological developments in biological sciences and their impact on values, social structures and environment. Topics include genetic engineering, overpopulation, aging and death, behavior modification.

159. Senior Seminar
J. K. Crissman, Jr., Biology
Wabash College
Crawfordsville, IN 47933

Biology
Seniors
Undergrad sci majors

Required of all biology majors. Designed to: (1) promote skills in library research and analysis of scientific literature, (2) promote communication skills, (3) examine the philosophy, methodology and certain unifying concepts in biology and (4) investigate the ethical and social significance of some newly emerging issues in biology.

160. Social and Ethical Aspects of Biology
S. J. Coward
Department of Zoology
University of Georgia
Athens, GA 30602

Zoology
Advanced
Undergrad sci majors

Content includes death, genetic engineering, population control, cancer as environmental disease, behavior control, man's impact on global ecosystem.

161. Social Issues in the Life Sciences
George H. Kieffer, Ecology, Ethology and Evolution
School of Life Sciences
University of Illinois
Urbana, IL 61801

Biology
Advanced
Undergrad/grad sci majors

Three aspects: (1) Survey of recent developments in biology and the applications of biological knowledge to the social setting, (2) identification of the ethical components deriving from the "new biology," and (3) analysis of these components to arrive at ethically valid courses of action for the individual and for society.

Historical Perspectives

162. The Future of Technology
Mike Williams, Interdisciplinary
Aquinas College
Grand Rapids, MI 49506

Social Science
Introductory
Undergrad

An overview of the history of technological developments and the impact of these in contemporary life, especially focusing on the interrelationship with human values.

163. History of the American Engineer (P)
Terry S. Reynolds
Man, Technology and Society
University of Wisconsin
Madison, WI 53706

General Engineering
Advanced
Undergrad sci/nonsci majors

A survey of the evolution of technology in America and the emergence of the various engineering specialties and the professional engineering societies.

164. Impact of Science on History
Paul W. Sharkey
University of Southern Mississippi
Hattiesburg, MS 39401

Humanities/Philosophy
Introductory
Undergrad sci/nonsci majors

An introduction to the historical development of science from the pre-Socratics to the present with special emphasis on the relation to presuppositions and implications of science concerning issues of human value.

165. Machine in America
Carroll Pursell, History
University of California
Santa Barbara, CA 93106

History
Introductory
Undergrad/grad sci/nonsci majors

Social history of devices and techniques from handicraft to automation. Emphasis on social change and impact of technology on American values and institutions.

166. Men and Machines in American Technology (P)
Raymond Merritt, History and
A. Fattah Shaikh, Mechanics
University of Wisconsin
Milwaukee, WI 53201

History
Introductory
Undergrad

Critical biographical study of notable inventors, industrialists, and engineers with emphasis on their value systems and corresponding relationships to technology.

167. Opportunity and Danger in Biology
William Chesbono, Biology
University of New Hampshire
Durham, NH 03824

Humanities
Introductory
Undergrad

The effects of past scientific and technical developments on history, customs, quality of life and the thinking of humanity. Discussion and evaluation of the desirability and possible inevitability of genetic manipulation for industrial and medical purposes.

168. Rise of Science and Human Values
Frank Schneider, Math and Physics
Nelson Bard, History
Davis and Elkins College
Elkins, WV 26241

Integrated Sequence
Advanced
Undergrad - general education requirement

A study of the impact of scientific ideas and technology on western value structures, beginning with the scientific revolution of the 16th and 17th centuries, through industrialization, Maxwell, Einstein and into contemporary problems.

169. Science and Human Values
E. Manier, Philosophy
University of Notre Dame
Notre Dame, IN 46556

Philosophy
Introductory
Undergrad sci/nonsci majors

Deals with methods for describing and analyzing the aesthetic, ethical, political and religious dimensions of key episodes in the history of science (Galileo, Darwin, Watson and Crick) and the scientific and technical dimensions of ethical and political problems (energy crisis, race and I.Q.).

170. Science and Society
Jeanne H. Stevenson, History
College of Notre Dame of Maryland
Baltimore, MD 21210

History
Advanced
Undergrad sci/nonsci majors, continuing education

Examines the impact of the major scientific advances on Western civilization from the Copernican Revolution through the 20th century. The distinction and historical significance of pure science and applied science is examined and the moral issues raised by science in contemporary society are explored.

171. Science and Society
Gale Edward Christianson, History
Indiana State University
Terre Haute, IN 47809

History
Introductory
Undergrad, all majors

Broad study of major scientific and technological developments from 1500 to the present in an effort to promote a deeper historical understanding and appreciation of the role played by the scientist and his work in society. Topics include Darwinian revolution, psychoanalysis, nuclear energy, and genetic engineering. Special emphasis is placed on the social, intellectual, and ethical implications of modern science and technology.

172. Social History of American Technology to the Civil War
Nathan Miller, History
University of Wisconsin
Milwaukee, WI 53201

History
Introductory
Undergrad

A study of technological innovations in connection with the objectives, values and fantasies of Americans in a society of potential abundance.

173. Technology and Western Civilization
Edwin Layton
Department of Mechanical Engineering
University of Minnesota
Minneapolis, MN 55455

History of Science
Introductory
Undergrad sci majors

A history of the role of technology in Western civilization from the earliest times to the present, with emphasis upon the socio-cultural role of technology, including emphasis upon the ethical and value implications of technology.

Futures

174. Alternative Futures
R. L. Hoffman, University Studies
North Carolina State University
Raleigh, NC 27607

University Studies
Introductory
Undergrad sci/nonsci majors

Possible alternative futures as well as the cutting edge of the present are placed in perspective with stress placed upon the nature and likelihood of various alternatives. Special emphasis is given to the methodology and limitations of forecasting, selected futurist issues, and to the interactions between present and possible future technologies and human values.

175. Alternative Futures (P)
H. Skolimowski
Department of Humanities
University of Michigan
Ann Arbor, MI 48109

Humanities
Advanced
Undergrad/grad

A study of human problems in a highly developed technological society. A critical examination of the philosophic premises underlying contemporary society, selected proposals for alternative societies, and the philosophic arguments justifying such alternatives.

176. Alternative Futures (P)
A. Aldridge
Department of Humanities
University of Michigan
Ann Arbor, MI 48109

Humanities
Advanced
Undergrad

In this interdisciplinary course we assess some of the critical human dilemmas built into highly developed technological societies. We review a variety of theories about the nature of such societies, particularly concentrating on the myths and values underlying their workings. We examine proposals for alternatives with a hard look at the humanistic implications of such alternatives.

177. Bioethics - Bridge to the Future
Ira J. Lough
Department of Biology
Rhode Island College
Providence, RI 02908

General Studies
Introductory
Undergrad nonsci majors

A consideration of the future of man by considering the interwoven themes of human progress and human survival, the obligation to the future, the control of technology, the relation between order and disorder, the concept of dangerous knowledge and the need for interdisciplinary effort.

178. Biological Dimensions of the Future
Charles G. Grimwood, Biology
Marymount College
Salina, KS 67401

Biology
Introductory
Undergrad sci/nonsci majors

Students are sensitized to values and ethical questions facing us today in areas of applied life science, primarily biomedicine and human ecology. Current trends in biology and our society's view of technology are projected into probable or preferable futures, emphasizing our value choices as individuals.

179. The City in the World of the Future (P)
Gary Gappert and Peter Pflaum
Department of Urban Affairs
University of Wisconsin
Milwaukee, WI 53201

Urban Affairs
Advanced
Undergrad

Methods of futures research in the context of urban problems. Interdisciplinary exploration of social aspects of technology related to public policy and urban development.

180. Environment, Technology and the Future
Thomas H. Thompson, Philosophy and Religion
University of Northern Iowa
Cedar Falls, IA 50613

Nondepartmental, General Education pilot program
Introductory
Undergrad

An introductory survey of problems of the future, with some stress on the evidence for optimistic and pessimistic (neo Malthusian and technology-and-growth) models of alternate futures. Value and cultural issues of the future. Content includes population dynamics, energy, other resources.

181. Futuristics
John W. Hall
Department of Education
St. Lawrence University
Canton, NY 13617

EDAD
Introductory and advanced
Undergrad/grad

There are two courses which deal with problems one encounters when seeking a set of better questions about life. Careful attention to current trends, projections and scientific and technological break-throughs. Emphasis placed on constructing alternative views on scenarios of possible future developments.

182. The Human Prospect
William Davis, Biology
University of California
Santa Cruz, CA 95064

C/S
Introductory
Undergrad nonsci majors

Teaches principles essential in understanding the future: Physical, biological, ecological and evolutionary concepts; principles and limits of energy and resource use; natural and social history of industrialism. Using these tools, one view of the future is explored, involving the depletion of energy and resources followed by a transition of humankind to a higher evolutionary state.

183. Implications of Future Technology
Hilton Weiss
Bard College
Annandale-on-Hudson, NY 12508

Natural Science
Introductory
Undergrad nonsci majors

Students develop an understanding of some current areas of scientific research and the extrapolation of these concepts into future technological developments. Social, cultural, and moral implications of these developments will be discussed to encourage an intelligent appraisal of the merits of various possible research directions. Topics covered will include computers, genetics, nuclear energy, and others.

184. Philosophy and Alternative Futures

Robert A. Macoskey
Department of Philosophy
Slippery Rock State College
Slippery Rock, PA 16057

Philosophy
Advanced
Undergrad, general public

An interdisciplinary approach to future projections in the major areas of human inquiry: Natural, social and behavioral sciences, education, environmental studies, the arts and humanities. An examination of the philosophical assumptions underlying these projections with a view to critiquing, comparing and integrating.

185. Philosophy and Technology

James Garson, Philosophy
University of Notre Dame
Notre Dame, IN 46556

Philosophy
Undergrad

A discussion of the major technological innovations that are likely in the next 25 years. The use and abuse of computers. Technologies for genetic manipulation, energy production and mental control. What is the proper role of society in developing technology?

186. Progress or Disaster: What Is Mankind's Future?

Mark J. Engebretson, Physics
Augsburg College
Minneapolis, MN 55454

Physics
Introductory
Undergrad sci/nonsci majors

The doctrine of progress, in its various forms, has greatly influenced both popular and sophisticated understandings of science. In order to correctly view the impact of science and technology today and in the future, we must understand the constellation of religious beliefs and value assumptions associated with their use.

187. Science and the Future

Capt. P. R. Myers, Physics
United States Air Force Academy
United States Air Force Academy, CO 80840

Physics
Introductory
Undergrad

An analysis of the relationship of science to current and future problems. Critically examines the potential applications of modern science to these problems and the general effect of possible solutions on the armed forces, industry, and society.

188. Science and the Future

George T. O'Hearn
Department of Education
University of Wisconsin
Green Bay, WI 54302

Education
Advanced
Undergrad

Science and technology have become potent forces, reshaping human values and culture, and permitting the man-made world to evolve. The social and cultural impact of selected developments in the physical and biological sciences will be examined as a model to be used in forecasting the future impact of today's scientific developments. Human values, potentials and constraints will be stressed.

189. Sociological Aspects of the Future

Gale Largey
Mansfield State College
Mansfield, PA 16933

Sociology
Advanced
Undergrad

An examination of the socio-ethical issues that are emerging with the advancement of science and technology, especially in the area of medicine.

190. The Sociology of the Future
Donald E. Tarter, Sociology
University of Alabama
Huntsville, AL 35807

Sociology
Advanced
Undergrad

An introduction to the methods of technology assessment and forecasting and an attempt to assess potential impacts of new near-term technologies on political, economic, educational, family, and religious institutions.

191. Technological Culture and the Human Prospect (P)
Carolyn Iltis, Physics, et al
University of San Francisco
San Francisco, CA 94117

Natural Science
Interdisciplinary Program
Introductory
Undergrad

Explores the impact of technology on the environment and human culture today, traces the historical and humanistic origins of our current patterns, assesses the implications of our technological trajectory for the future, and explores alternatives.

192. Technology, Survival and the Year 2000 (P)
Robert P. Morgan, Technology and Human Affairs
Washington University
St. Louis, MO 63130

Technology and Human Affairs
Introductory
Undergrad sci/nonsci majors

An examination of the potential role of technology over the next 30 years in improving the standard of living and quality of life. Negative consequences of technology will also be assessed. Critical choices to be faced will be considered. Introduction to technology assessment and forecasting, futures research. Discussion of: What will life be like in the year 2000? Will there be enough food, shelter and energy to go around? Will the gap between rich and poor countries widen? Will climate changes and growing resource shortages effect changes in life style? Will 1984 have happened?

193. Toward the Year 2000
James Vinson, Physics
University of North Carolina
Asheville, NC 28804

Humanities
Introductory
Undergrad

The study of possible alternative futures. After a short historical introduction, a study and discussion of the prospects for the future in technology, information and computers, biological technology, and resource development is undertaken. This study will provide the foundation for a more detailed look at computer simulation as a method of future research. Finally possible changes in social structure and lifestyles and the relationships between technology and human values will be studied.

194. Toward the Year 2000: Technology, Values and Society
T. Norton, Sociology and Warren Guy, Engineering
Lafayette College
Easton, PA 18042

Anthropology and Sociology
Introductory
Undergrad

Course begins with the individual discussion of technology, values and society. These are interrelated in a dynamic system and then projected into the future.

Technology Transfer

195. Cultural Systems, Energy and Technology (P)
Stephen Auerbach, Anthropology and
Carl Romer, Energetics
University of Wisconsin
Milwaukee, WI 53201

Anthropology/Cultural and Technological Studies
Introductory
Undergrad

Study of the impingement of technology on social organization and relationships between cultural systems, energy, and technology.

196. Ethics and Social Science
Marlynn L. May, Sociology
Beloit College
Beloit, WI 53511

Sociology
Advanced
Undergrad, social sci major

Examines three levels of issues pertaining to science and values: (1) ethical concerns raised by social science theory and methodology, e.g. intrinsic, controlling images of man and social and political organization;(2) ethical concerns raised by the socio-cultural organization of the scientific community, its ethos, structure and process; (3) ethical concerns raised by the interface of science and society, in doing research e.g. treatment of subjects, choosing of research topics, funding, research designs and science interacting with policy-making and policy-makers.

197. Seminar in Technology and Social Change (P)
A. A. Fouad, Electrical Engineering
R. Van Iten, Philosophy and
L. Wilcox, Sociology
Iowa State University
Ames, IA 50011

Technology and Social Change
Advanced
Grad

An exploration of the problems arising from the impact of the transfer of technology on a society with special emphasis on a specific issue--receptivity of technology, adaption versus adoption, and others.

198. Technological Innovation and Social Change (P)
Stephen Auerbach, Anthropology
University of Wisconsin
Milwaukee, WI 53201

Anthropology
Advanced
Undergrad

Examination of several different types of technological changes taking place in various parts of the world. Social, cultural, environmental and economic implications are analyzed and alternative technologies examined.

199. Technology and Public Policy in Developing Countries (P)
Dennis L. Dresang, Political Science and
Edward P. Mikol, Mechanical Engineering
University of Wisconsin
Madison, WI 53706

Political Science/General Engineering
Advanced
Grad

This course seeks to provide the integrative experiences of the design of technical assistance programs wherein the interaction amongst technology, politics, moral, social and human issues must be understood, assessed and adequately provided for in an actual design project.

200. Technology and Social Change in Foreign Cultures (P)
A. A. Fauad, Electrical Engineering
R. Van Iten, Philosophy and L. Wilcox, Sociology
Iowa State University
Ames, IA 50011

Technology and Social Change
Introductory
Grad

To explore the impacts of the transfer of technology on a society; the essential features of technological change; the export, acceptance, adaptation and rejection of technological innovations; how the various cultural, social, economic, and political systems are affected by technology.

201. Technology in Developing Countries
David C. Botting, Humanistic Social Studies
University of Washington
Seattle, WA 98195

Humanistic Social Studies
Advanced
Undergrad sci, engineering, architecture, arts and sciences majors

Analyzes the alterations in societies of the developing countries resulting from the impact of technology on them, focusing on social change, values, and institutions; and examines the phenomenon of technological transfer.

202. Technology: International, Social and Human Aspects (P)
E. C. Pytlik, M. Rahman, Geography and
M. Warren, Anthropology
Iowa State University
Ames, IA 50011

Technology and Social Change
Introductory
Undergrad

To develop an understanding of the social, economic, and humanistic constraints and potentials involved in the international application of technology; to enable the student to relate his or her major discipline to the issues and problems involved in the transfer of technology.

203. Technology Transfer: Issues and Problems (P)
A. A. Fouad, Electrical Engineering
R. Van Iten, Philosophy and L. Wilcox, Sociology
Iowa State University
Ames, IA 50011

Technology and Social Change
Advanced
Grad

Explores the moral and practical issues in the transfer of technology to developing countries.

204. Third World Issues (P)
Wayne Bragg
Wheaton College
Wheaton, IL 60187

Social Science
Introductory
Undergrad sci/nonsci majors

Development and underdevelopment in historical and ethical perspectives, and examination of alternative approaches to aid and development.

205. Transnational Values and Technology (P)
John Koller, Philosophy, et al
Rensselaer Polytechnic Institute
Troy, NY 12181

Human Dimensions Center
Advanced
Undergrad sci/nonsci majors

Provides an intercultural and multidisciplinary view of the interactions between human values and technology. China, India, and Southeast Asia are studied in comparison with the United States, focusing on values, technologies, religious and philosophical ideas and norms, economic development, social and political organization and structure, and the development of science and technology.

1.02. Science/Technology and the Arts and Humanities

206. Aesthetic Value and Technology
Eugene C. Elliott, Humanistic Social Studies
College of Engineering, Loew Hall
University of Washington
Seattle, WA 98195

Humanistic Social Studies
Introductory
Undergrad, architecture, arts and science majors

Nature of aesthetics; aesthetics in relation to other values--everyday living, in the fine arts, in the environment; technology, the economy, business; the good city.

207. American Literature and the Universe of Force (P)
Ronald Martin, English/Health Science
University of Delaware
Newark, DE 19711

English/Health Science
Advanced

Study of American literature of the early 20th century in the context of the science, scientists, and scientific philosophy of the era.

208. Creative Process in Science and the Humanities (P)
T. Calhoun and G. Ruark, English and
M. Jain, Health Sciences/Chemistry
University of Delaware
Newark, DE 19711

English/Health Sciences/ Biology
Advanced
Undergrad/grad sci/nonsci majors, pre med, nursing

A multidisciplinary study of the creative process as exemplified by the methods, insights and techniques of analysis and discovery in selected areas of the scientific and humanistic disciplines. The particular ways that writers, philosophers, scientists and artists generate perceptions of man, nature and society will be a primary focus of the course. Additionally, close attention will be paid to the similarities and differences of the creative process in science and the humanities.

209. Creativity in Design
Paul Braisted and Gordon Moore
Department of Mechanical and Aerospace Engineering
University of Missouri
Columbia, MO 65201

Mechanical and Aerospace Engineering
Advanced
Undergrad/grad, engineering majors

Identification and strengthening of attitudes and talents essential in design. Creative aspects and value considerations in design.

210. Einstein and Modern Literature
Alan J. Friedman, et al
Lawrence Hall of Science
University of California
Berkeley, CA 94720

Introductory
Undergrad/grad nonsci majors

The imagination of Albert Einstein created a new picture of time, space, and the physical universe. This course examines that new picture, and its influence on the general culture, especially the fiction of Lawrence Durrell, Thomas Pynchon, and Robert Coover. The value of physics as metaphor is discussed.

211. The Einsteinian Revolution (P)
Earl Friesen, Physics and Astronomy
San Francsico State University
San Francisco, CA 94132

NEXA
Advanced
Undergrad sci/nonsci and arts and humanities majors

Exploration into relativity and quantum physics and literature to discover a new world of space, time, relationship and modes of observations.

212. Foundations of Knowledge in the Cultural and Natural Sciences (P)
Fred Kersten, Humanism and Cultural Change
University of Wisconsin
Green Bay, WI 54302

Graduate school
Graduate level
Grad sci/nonsci majors

A multidisciplinary study of various aspects of the problems related to the nature and validation of knowledge in the cultural and natural sciences. The focus of the course is on the intellectual task of finding a common ground of mutual enrichment of the cultural and natural sciences.

213. Human Factors and Aesthetics in Design and Technology (P)
Michael Lacktman, Art
University of Wisconsin
Milwaukee, WI 53201

Art
Introductory
Undergrad

An investigative study of cultural and aesthetic values and their related applications to technology and human factors in design.

214. Human Nature and the Impact of Science
John TerHaar, German and
James Osburn, Chemical Engineering
University of Iowa
Iowa City, IA 52252

Literature, Science and Arts
Advanced
Undergrad/grad sci/nonsci majors

Discussion based on the issues and ideas in eleven original works by humanists and scientists.

215. Humanistic and Scientific Thought
Matild Kamber and Bob McDonald
Columbia College
Columbia, CA 95310

Philosophy/Physics
Introductory
Undergrad sci/nonsci majors

A study of the relationships between the sciences and the humanities and of major problems in the philosophy of science.

216. Interactions in Art and Science
Thomas Coohill, Biophysics and
Pat Coohill, Art History
Office of Academic Affairs
Western Kentucky University
Bowling Green, KY 42101

Honors
Introductory, advanced
Undergrad sci/nonsci majors

Examines the relationship of art and science, which human values are pervasive in both fields of endeavor. Discussion of similarities of expression and impact of science research and aesthetic discovery are planned.

217. Interpretations of Technology in Literature (P)
Gretchen Schoff
General Engineering Department
University of Wisconsin
Madison, WI 53706

General Engineering
Introductory
Undergrad sci/nonsci and engineering majors

An examination of the world of modern science and technology as the literary artist sees it. A study of writers who have confronted and interpreted the implications of man's new creations, the computer, the spaceship, nuclear power, and biological manipulation.

218. Leonardo da Vinci: Art and Science (P)
Maurice Cope
University of Delaware
Newark, DE 19711

Art History/Health Science
Advanced
Undergrad

A seminar in the art, science, and technology of Leonardo da Vinci in the context of Renaissance thought.

219. Literature and Science (P)
Heyward Brock, English
University of Delaware
Newark, DE 19711

English/Health Sciences
Advanced
Sci/nonsci majors

A comparative examination of literature and science in several important philosophical, methodological, cultural and social aspects. The course involves the study of elementary philosophy of science and theory of literature to establish some fundamental comparative ideas about the creativity, method, and uses of each discipline; the study of topics in the history of science and literature to establish a sense of the cultural and social contexts of both endeavors; and the study of individual texts to discover the meanings and methods, the uses and the value-orientations by first-hand analysis.

220. Literature and Science in the Modern Age
John S. Zeigel, Literature
Mesa College
Grand Junction, CO 81501

Literature
Advanced
Undergrad, senior seminar

Literature is studied in relationship with science which affects the fine arts, social thought, and value theory. The contemporary fusion of interests between science and literature and its background in post-renaissance and romantic thought and literature will be studied against the history of traditional metaphysical differences.

221. Literature and Society: Clockwork Man - The Technology of Transcendence (P)
Susan Skelton, Comparative Literature
University of Wisconsin
Milwaukee, WI 53201

Comparative Literature
Advanced
Undergrad

Examination of images of mechanical objects, technological processes, and human beings in literature and of the potential significance to modern society of patterns and paradigms in the literary texts.

222. Literature and Society: Literature and Ecology (P)
Susan Skelton, Comparative Literature
University of Wisconsin
Milwaukee, WI 53201

Comparative Literature
Advanced
Undergrad

Examination of the interrelationships between literature and ecology, with special emphasis on the potential impact of literary texts on environmental concerns, the possible application of ecological principles to literary studies and the putative influence of moral, religious, and ethical values upon the shaping of attitudes and behaviors.

223. Literature and Technology: The Healing Art: Patient, Physician and the Technological Fix (P)
Susan Skelton, Comparative Literature
University of Wisconsin
Milwaukee, WI 53201

Comparative Literature
Advanced
Undergrad

Examination of literary images of the applications of medical technique and technology, the definition and interpretation of pathological syndromes, the role of social institutions, and the function of professional ethics in the treatment of physical and mental illness.

224. Literature, Art and Technology (P)
Kathleen Woodward, English
University of Wisconsin
Milwaukee, WI 53201

English
Advanced
Undergrad

Examination of the role of technology as the primary catalyst in the development of twentieth century avant-garde art and literature. Emphasis on the fruitful collaboration between art and technology in post-World War II art and artists in France and the United States.

225. Literature, Arts and Physics (P)
Gerald Fisher, Physics and Astronomy
Laura Margolis, Interdisciplinary and Innovative Science
San Francisco State University
San Francisco, CA 94132

NEXA
Advanced
Undergrad sci/nonsci, humanities and arts majors

Modern painting, literature and physics as analogous expressions of an underlying current in human thought. Evaluation of changes that occurred during the twentieth century in artistic and scientific ways of seeing and representing reality.

226. Machines Versus Humanity: The Changing Novel in the Age of Technology (P)
Jack Zipes, German
University of Wisconsin
Milwaukee, WI 53201

Comparative Literature
Advanced
Undergrad

Dehumanization of humankind by technology as theme for the evolving novel. Emphasis on utopian and non-utopian perspectives.

227. Man and Machine
M. J. Philp
Anne Arundel Community College
Arnold, MD 21012

Humanities
Introductory
Undergrad

Interdisciplinary investigation of impact technology on culture. Important developments in science and technology. Creative and destructive man-machine tension explored using works of art, architecture, music.

228. Man As Machine
Leonard Wolf, English and
Benjamin White, Psychology
San Francisco State University
San Francisco, CA 94132

NEXA
Advanced
Undergrad sci/nonsci, humanities and arts majors

Following the Industrial Revolution, the idea of the machine has dominated human consciousness and behavior. The notions of humanistic machines and mechanistic humans emerge in both literary imagery and psychological theory.

229. Man in the Modern World
Robert B. Thornburg, English, et al
Muhlenberg College
Allentown, PA 18104

Humanities
Introductory
Undergrad

A team taught interdisciplinary course designed to analyze man in his contemporary condition through his perspectives and values, his art forms, and his social institutions. Lectures, discussion groups, laboratory sessions.

230. Man in Nature and Man and Nature in Literature (P)
Peg Jackson, English, et al
Northland College
Ashland, WI 53806

Environmental Studies
Introductory
Undergrad

Man in Nature examines the complexities surrounding environmental issues at the same time that students practice reading and writing skills.

231. Mass Culture, Technology and Manipulation of Consciousness (P)
Andreas Huyssen, German
University of Wisconsin
Milwaukee, WI 53201

German
Advanced
Undergrad

Study of the impact of technology and social change on "high" and "low" culture in 20th century mass society with emphasis on literature and the visual arts.

232. Mathematical Thought--Mathematics in Western Cultures
Leonard S. Laws, Math and Science
Southwestern College
Winfield, KS 67156

Mathematical Sciences
Introductory
Undergrad sci/nonsci majors

Mathematical models that illuminate interrelationships in ethics, law, religion, art, music, literature, science, social science are discussed as are cultural forces that inhibit or stimulate mathematical thought.

233. Modern Philosophical Physics
David A. Cornell, Physics
Principia College
Elsah, IL 62028

Physics
Advanced (freshman and soph w/approval of instructor)
Undergrad nonsci majors

Science and science fiction paperbacks serve as a basis for discussion of scientific discoveries, their impact upon human thought, and moral or ethical implications.

234. The Nature of Man and His Physical Environment
W. F. LaForge, History, et al
Delta State University
Cleveland, MS 38733

Honors
Advanced
Undergrad sci/nonsci majors

The nature of man and his efforts to understand his physical environment through a study of selected literature and works of art.

235. Perspectives on Ultimate Reality
John J. Gibbs, Humanities
Moorhead State University
Moorhead, MN 56560

Humanities
Introductory
Undergrad nonsci majors

Investigation of the nature of scientific method, the processes of thought in scientific inquiry and the comparison of this with methodology in the liberal arts, particularly in theological science.

236. Popular Culture and Technical Change in America
David Wright
Lyman Briggs College, Holmes Hall
Michigan State University
East Lansing, MI 48824

Lyman Briggs College
Intermediate
Undergrad

A study, using the materials of popular culture, of the ways in which technical change affects culture and the ways in which cultural mythology, values, and orders channel, modify or inhibit technical change.

237. Problems and Ideas Today: Science, Technology, and Literature
Edward Stanulis, Humanities
Michigan Technological University
Houghton, MI 49931

Humanities
Introductory
Undergrad sci/nonsci majors

Interdicsiplinary course relating literature, including science fiction, to science and technology.

238. The Promethean Mind: Explorations in Myth and Literature, Science and Technology, Prophecy and Human Values (P)
Ihab Hassan, English
University of Wisconsin
Milwaukee, WI 53201

English
Advanced
Undergrad/grad

To give a sense of how mythological, literary, scientific and technological works articulate themselves as languages, as forms. How are they different, complementary or even similar? Thus, to raise the question of the creative process itself, its unity and diversity.

239. Quest for Utopia (P)
Warne Holcombe and Gorman Beauchamp
Department of Humanities
University of Michigan
Ann Arbor, MI 48109

Humanities
Introductory
Undergrad nonsci, engineering majors

Examination of notable utopian constructs, both fictional and experimental, in an effort to clarify fundamental obstacles to utopia and potentials for a more utopian world.

240. Science and Non-Science (P)
Frank Blackford and Howard Brown
College of Science in Society
Wesleyan University
Middletown, CT 06457

Science in Society
Introductory
Undergrad sci/nonsci majors

Comparison of scientific and non-scientific thought, roles of science and myth in societies. Discussion of practical and ethical issues in science and technology.

241. Science Fiction (P)
Dennis M. Welch, Humanities
Clarkson College
Potsdam, NY 13676

Humanities
Advanced
Undergrad

Examines major science fiction works as to their intellectual, social, ethical, and esthetic significances (some of the texts include Frankenstein and The Time Machine). Discussion about why these works are so appealing, what they say about science and technology, their predictive importance, their impact of change and public policy, and their effect in creating a new mythology for humanity.

242. Science Fiction
Kevin Larsen, English
Kean College of New Jersey
Union, NJ 07083

English
Introductory
Undergrad sci/nonsci majors

Study of major themes in the development of science fiction in short stories and novels from H. G. Wells to the present. (Bradbury, Campbell, Clarke, Pohl, and others.)

243. Science Fiction (P)
A. Aldridge, D. Hughes and E. Shafter
Department of Humanities
University of Michigan
Ann Arbor, MI 48109

Humanities
Introductory
Undergrad, engineering majors

Designed to introduce the student to major works of science fiction. Focus on modern and contemporary science fiction as a principal vehicle for the literature of ideas. Special emphasis is given to the myths and values attached to science and technology and the ways in which they have shaped science fiction in a variety of historical contexts.

244. Science Fiction: The Humanistic Base (P)
C. L. Sanford, Humanities;
Robert Anderson, Philosophy; and
Dennis Livingston, Political Science
Rensselaer Polytechnic Institute
Troy, NY 12181

Literature and Communications
Introductory
Undergrad

Science fiction is related to major themes in literature and philosophy: The individual and society, man vs. nature, the meaning of consciousness, the journey archtype, utopia and anti-utopia. Sometimes issues of public policy.

245. Science in the Social World
Hiram Bleecker, Physics
State University of New York
Cortland, NY 13045

Science/Physics
Advanced
Undergrad/grad sci/nonsci majors

An examination of the structure of knowledge, truth, proof, causality and value in the sciences and comparing these with their analogs in art, religion, philosophy and the social sciences.

246. Science in Utopia
Daniel P. Jones, General Science
Oregon State University
Corvallis, OR 97331

General Science
Introductory
Undergrad sci/nonsci majors

Analyzes the attitude of society toward science and technology as reflected in the roles given science and technology by famous social critics in their view of utopian societies.

247. Science-Technology and Human Values
Staff (Contact Andrew McClary)
Michigan State University
East Lansing, MI 48824

Natural Science
Introductory, honors
Undergrad

The nature and significance of science and technology in Western culture, with emphasis on their relationship to other creative activities, particularly those within the arts.

248. Scientific Ethics: A Literary Perspective
Patricia McFate, English
University of Pennsylvania
Philadelphia, PA 19174

History and Sociology of Science
Intermediate, no prerequisites
Undergrad sci/nonsci majors

Viewpoints of the scientist and the writer of literature concerning the major problems affecting the health of citizens in the twentieth century.

249. Seminar in Science and Humanities
Herschel Levine and Ralph Yulo
Eastern Connecticut State College
Willimantic, CT 06226

Interdisciplinary
Introductory
Undergrad sci/nonsci majors

An examination of the nature of the natural sciences and their relationships with the humanities. There is considerable emphasis on the biological roots of human behavior and human value in a technological society.

250. A Sense of the Earth in American Literature
Sr. Lucy Schneider, English
Marymount College of Kansas
Salina, Kansas 67401

English/Literature Seminar
Introductory
Undergrad nonsci majors

Designed to explore a sense of the earth, past and present, meaning-wise and experience-wise, through the medium of imaginative literature and other readings and relate this to ecological, theological, technological perspectives.

251. The Social Impact of the Biological Sciences
J. Alfred Chiscon
Biology Department
Purdue University
W. Lafayette, IN 47907

Biology
Introductory
Undergrad nonsci majors

An examination of past, immediate, and long-term relevance of the biological sciences to members of the human society; and an examination of how creative people in such disciplines as political science, literature, art, drama, and history have effectively utilized their knowledge of the biological sciences in "doing their own thing."

252. The Spirit of Darwin and Marx
W. Sewell and S. Stephens, Humanities
Michigan Technological University
Houghton, MI 49931

Humanities
Introductory
Undergrad sci/nonsci majors

Interdisciplinary study of selected writers, artists, composers, philosophers, and scientists of the 19th century.

253. The Spirit of Freud and Einstein
W. Sewell and S. Stephens, Humanities
Michigan Technological University
Houghton, MI 49931

Humanities
Introductory
Undergrad sci/nonsci majors

Interdisciplinary study of selected writers, artists, composers, philosophers, and scientists of the 20th century.

254. The Spirit of Newton and Paine
K. Brahney and W. Sewell, Humanities
Michigan Technological University
Houghton, MI 49931

Humanities
Introductory
Undergrad sci/nonsci majors

Interdisciplinary study of selected writers, artists, composers, philosophers, and scientists of the 18th century.

255. Technology and the American Dream (P)
Kathleen Woodward, English
University of Wisconsin
Milwaukee, WI 53201

English
Advanced
Undergrad

Study of the relationship between the ways and means of technology and the American values of the dollar, conspicuous consumption, and self-improvement in the second half of the 20th century, as seen in utopia, the essay and novel.

256. Technology and Human Values (P)
Edward J. Gallaghen, English
Lehigh University
Bethlehem, PA 18015

Human Perspectives on Technology
Introductory
Undergrad

The study of technology from such disciplines as literature, history, art, myth, folklore, film, and philosophy.

257. Technology and Musical Expression (P)
Edwin M. Good and F. Richard Moore
Religious Studies
Stanford University
Stanford, CA 94305

Values, Technology and Society
Undergrad

Interrelations between the technology that produces means of making muscial sound and the expressive ways composers have used those means in Western art music, 18th century to the present. Focus on two cases: development of the piano in the 18th and 19th centuries and electronic developments in the 20th century, especially electronic music and the uses of the digital computer.

258. Technology: The Humanist Response
Eugene Levy, History
David Demarest, English
Carnegie-Mellon University
Pittsburgh, PA 15213

History/English
Advanced
Undergrad

Focus on the humanist response to technology in the areas of the environment, heavy industry impacts, and the computer. It utilizes insights from both history and English.

259. Technology in Its Social Context
Manfred R. Bottaccini
Aerospace and Mechanical Engineering
University of Arizona
Tucson, AZ 85721

Aerospace and Mechanical Engineering
Intermediate
Undergrad/grad sci/nonsci majors, law/med students

Social history of the Western world through a study of the changes induced by technics and the intellectual perception of technics. The interaction of art, literature and music with technology.

260. Technology in Utopian Literature and Science Fiction (P)
Roy Swanson, Comparative Literature
University of Wisconsin
Milwaukee, WI 53201

Comparative Literature
Advanced
Undergrad

Study of the incidence of technology in past and present Western cultures and in speculative cultural systems, with special reference to utopian literature and science fiction.

261. Topics in Literature and Culture
Steve Hollander, English
Indiana University
Ft. Wayne, IN 46805

English
Introductory
Undergrad

Analysis of contemporary and future America as a scientific and technological civilization. Nature and history of science and technology. Impact of selected new discoveries and applications on the individual and his culture.

262. Utopian Dreams and Nightmares
Mark R. Hillegas, English
Southern Illinois University
Carbondale, IL 62901

President's Scholars
Introductory
Undergrad

A study of the major utopias and dystopias, and the works of non-fiction extrapolation of alternative futures--from Plato to the present.

263. Values in the contemporary World
William Klink, Physics and Astronomy
Robert Scharlemann, Religion
University of Iowa
Iowa City, IA 52242

Upper division
Undergrad

Modern problems in definition and choice of values, examined through writings in religion, literature, and science.

1.03. Science/Technology and Religion

264. Advanced Seminar in Theology and the Sciences (P)
(Contact) Ralph W. Burhoe
Chicago Cluster of Theological Schools
Center for Advanced Study in Religion and Science
1100 E. 55th Street
Chicago, IL 60615

Chicago Cluster of Theological Schools
Advanced
Faculty members

Topics in seminars have included: God and natural selection, brain as blender of cultural and genetic information, evolution of human values in coadapted genes and culture-types. The publication Zygon seeks to integrate fact and values, current scientific knowledge and man's notions of what is meaningful and sacred in life.

265. Bible-Science Seminar
Nancy Hodson
Friends Bible College
Haviland, KS 67059

Natural Science
Introductory
Undergrad nonsci majors

Correlates science and the Bible within the areas of astronomy, geology, and biology with emphasis in Bible cosmology and the age of the universe, creation vs. evolution, and the flood.

266. Biblical Ethics and Post-Modern Issues
Manfred O. Meitzen, Religious Studies
West Virginia University
Morgantown, WV 26506

Religious Studies
Introductory
Undergrad sci/nonsci majors

Basic topics: Principal types of religious ethics, sin, guilt, law, grace, the state; the Biblical approach to ethical issues in the post-modern world such as bioethics, euthanasia, environmental ethics, sex.

267. Christian in Age of Scientific Discovery
Dennis R. Zusy
Clarke College
Dubuque, IA 52001

Theology
Introductory
Undergrad sci/nonsci majors

Impact of scientific discovery on religious belief and practice. Investigation of new issues raised by control over human life.

268. The Christian View of Science and Scripture
Don England, Chemistry, et al
Harding College
Searcy, AR 72143

Physical Science
Advanced
Sci majors

To provide students with a better understanding of the relationship of science and technology to Christian faith. Topics considered are: science and faith, logic, probability, scientific methods, origins, technology, transplants, genetic engineering, abortion, life and death.

269. Creation in Scientific and Religious Perspective
D. Van Ostenberg, Physics, et al
General Education College
De Paul University
Chicago, IL 60614

Natural Science--Math/
Philosophy and Religion
Introductory
Undergrad sci/nonsci majors,
honor students

To give the student a mutual understanding of the seemingly different perspectives of science and religion in regard to the creation or origin of the universe, solar system and man.

270. The History of the Warfare of Science and Theology: Fact or Fiction?
Dean R. Fowler, Theology
Marquette University
Milwaukee, WI 53233

Theology
Advanced
Undergrad sci/nonsci majors

Studies the interface of science and religion seeing interplay of disciplines by focusing on Newtonian period, 18th century, Darwinism, and 20th century issues.

271. Introduction to Religion: Function of Religion
Louis B. Jennings, Bible and Religion
Marshall University
Huntington, WV 25701

Bible and Religion
Undergrad

272. Issues in th[illegible]story of Science and Theology (P)
Edward[illegible]ub, General Engineering
Man, T[illegible]ogy and Society
Univers[illegible] of Wisconsin
Madison, WI 53706

History of Science
Introductory
Undergrad/grad sci/nonsci
majors

Examines the main accommodations of theological thought to science, the contributions of theology to the promotion of science and technology, the present state of the science and theology dialogue, and the ethical issues which arise from man's increasing powers over nature.

273. Issues in Modern Religion
Edward A. Yonan
Program in Religious Studies
University of Illinois
Urbana, IL 61801

Religious Studies
Introductory
Undergrad

Theological reflection on contemporary intellectual issues, including the dialogue between religion and aspects of social theory, psychology, history, and the natural sciences.

274. Issues in Religious Ethics: Love and Justice (P)

James F. Childress
Kennedy Institute, Center for Bioethics
Georgetown University
Washington, D.C. 20057

Theology
Intermediate
Undergrad, philosophy and theology majors

An examination of various conceptions of "love" and "justice" and their relations in Protestant and Catholic writings, mainly from the last forty years. Emphasis on the implications of particular conceptions of love and justice for problems in biomedical ethics (such as, the allocation of scarce resources) and political ethics (such as, just war theories).

275. Issues in Science and Religion

Carl Skrade, Religion and
Carl Sievert, Chemistry
Capital University
Columbus, OH 43209

Religion/Chemistry
Advanced
Undergrad sci majors

A probe into the possibilities for communication and cooperation between science and religion as man faces a future of unprecedented risk and hope.

276. Issues in Science and Religion

Department of Physics
Pacific Union College
Angwin, CA 94508

Physics and Comparative Science
Advanced
Undergrad sci/nonsci majors

Examination and discussion of the issues that arise out of the topics of interaction between science and theology. Emphasis on tentativeness and progressive nature of science and re-examination of interpretation.

277. Religion and Human Culture

Gary Davis
Northwest Missouri State University
Maryville, MO 64468

Humanities
Introductory
Undergrad sci/nonsci majors

A course in cultural expression of religion including the scientific technological effort to preserve physical being from the threat of nonbeing. Course focuses on proposals for behavior modification and genetic engineering.

278. Religion and Human Ecology

Ronald O. Clarke, Religious Studies
Oregon State University
Corvallis, OR 97331

Religion
Advanced
Undergrad/grad sci/nonsci majors

Religion and ecological concepts of man's relation to nature, human values and environmental problems, current quests for an environmental ethic and a theology of nature.

279. Religion and Science

James J. Dagenais, Religion
Miami University
Oxford, OH 45056

Religion
Introductory
Undergrad

Discussion of theological and moral problems raised for religious communities by the advancement of science.

280. Religion and Science
Ronald O. Clarke, Religious Studies
Oregon State University
Corvallis, OR 97331

Religion
Advanced
Undergrad/grad sci/nonsci majors

History of the relations between religion and science, methods of science and religion, implications of scientific theories for religious thought.

281. Religion and Science
Ileana Marculescu, Religion and Philosophy
Sweet Briar College
Sweet Briar, VA 24595

Religion
Introductory
Undergrad sci/nonsci majors

An examination of the metaphysical and religious implications of twentieth century theoretical science: Physics, biology, systems theory, ecology, medicine. Particular attention to the Christian faith and biomedical ethics.

282. Religion and Science
(Contact) Allen L. Dickes
Texas Christian University
Ft. Worth, TX 76129

Religion
Introductory
Undergrad

A presentation of the ways of knowing truth or reality and responding to its utilization in religion (particularly the Judeo-Christian heritage) and in the sciences. Such issues as the following may be studied: Threat and promise of nuclear power, other scientific technologies, environmental pollution, population explosion, birth control, abortion, evolution and creation, verification and evaluation.

283. Science and Christian Faith
Franklin B. Gailey
Berea College
Berea, KY 40404

General Studies
Advanced
Undergrad

Classical and contemporary issues in the dialogue between scientists and religious thinkers dealing with cosmology, creation, mechanistic thought, the nature, purposes, and limitations of science and of religion, the meaning of experience, knowing and believing, and ethical, social and moral implications of recent advances in science, technology, and medicine.

284. Science and Christianity
E. Edward Peeples, Biological Science
Joachim Viens, United Campus Ministry
University of Northern Colorado
Greeley, CO 80639

Biology/ICU
Introductory
Undergrad nonsci majors

Study of interface of science and religion. Examination of history of relation between two fields--relation to current society problems.

285. Science and Religion
H. Rolston, Philosophy and Religious Studies
Colorado State University
Fort Collins, CO 80523

Philosophy
Advanced
Undergrad sci/nonsci majors

Includes topics such as: Religious belief in relation to science; methods in science; religion and the physical sciences (mechanism, determinism); religion and the biological sciences (evolution, reduction); religion and the human sciences (Freud, behaviorism, anthropology); and conceptions of God viable in a scientific age.

286. Science and Religion

R. H. O'Bannon, Natural Science
Martin Baldree, Religion
Department of Natural Science
Lee College
Cleveland, TN 37311

Biology/Theology
Advanced
Undergrad sci majors

Purpose is to: (1) harmonize scientific facts with Biblical truths, (2) acquaint students with the major areas of discrepancies existing between science and fundamental Christianity, and (3) emphasize the difference between scientific fact and scientific philosophy.

287. Science and Religion

Dexter Beary, Biology; Karl Konrad, Chemistry;
and George W. Reid, Religion
Southwestern Union College
Keene, TX 76059

Religion
Advanced
Undergrad sci/nonsci majors

A survey of approaches to nature prior to modern times, followed by a study of philosophical principles (including ethical perspectives) which underlie modern scientific thought and method. Attention is given to special creation and Darwinism theory of origins, diluvialism, radioactive dating methods and modern paleological studies.

288. Science and Religion

M. Eugene Rudd, Physics
University of Nebraska
Lincoln, NE 68588

Physics
Introductory
Undergrad nonsci

Assumptions made by science and religion in developing comprehensive world view. History of conflicts in thought about relations of science and religion. Influence of each field on the other.

289. Science and Religion

Staff, Religious Studies
Villanova University
Villanova, PA 19085

Religious Studies
Advanced
Undergrad sci/nonsci majors

The relationship between the great scientific discoveries and the reaction which they generated.

290. Science, Religion and Society

Keith Kester, Chemistry and
Joseph Pickle, Religion
The Colorado College
Colorado Springs, CO 80903

General Studies
Upper class
Undergrad

An interdisciplinary inquiry into the manner in which science and religion provide basic perspectives by which men construct and act in their world. Materials drawn from the Natural Sciences and the Christian tradition.

291. Science Seminar

H. Orville Heisey and Karl M. Oberholser
Messiah College
Grantham, PA 17027

Biology
Advanced
Undergrad sci majors

The practical implications of the Christian faith, including ethics, history and philosophy of science and vocation, for students majoring in biology and chemistry.

292. Secularization (P)
Winston B. David, Religious Studies
Stanford University
Stanford, CA 94305

Religious Studies
Grad

Cross-cultural study of the the transition from traditional, religiously-oriented civilization to modern, secular society. Topics covered: theories of secularization; religious incentives and impediments to secular world-views in traditional cultures (e.g., Israel, Greece, Europe, India, China, and Japan); the secularization of work and politics; the sacralization of consumption; secularization of elites, institutions, and "masses"; secular values and lifestyles; related sociocultural factors: urbanization, industrialization, science and technology.

293. Technology and Theology
Joseph D. Ban, Religion and History
Linfield College
McMinnville, OR 97128

Religious Studies
Advanced
Undergrad, law students

An examination of the impact of technology upon the modern human community, especially on the formation of values.

294. Theological Interpretation of Society
Wilson Yates and James B. Nelson
United Theological Seminary
New Brighton, MN 55112

CC
Introductory
Grad, Divinity students

Course shows how the social sciences are crucial to the theological task, and particularly so in the analysis of issues related to science and technology.

295. Theology and the Life Sciences
Henry V. Sattler, Theology
University of Scranton
Scranton, PA 18510

Theology/Religious Studies
Advanced
Undergrad

Theological values in human life; divine plan in the natural environment. Problems posed to theology in ecology, population growth, abortion, sterilization, euthanasia, genetic technology, insemination, organ transplants, sex transformation, character change through drugs, and others.

296. Theology and Values
Daniel G. Maguire
Marquette University
Milwaukee, WI 53233

Theology
Upper division
Undergrad

Development of an ethical methodology and discernment of value issues in scientific and political sphere.

297. The Theology of Man
David G. Schultenover
Marquette University
Milwaukee, WI 53233

Theology
Advanced
Undergrad

Study of Christian anthropology. Pursues the question: What difference does Christ make for man's understanding of himself? Investigation begins with Freudian and post-Freudian perspectives on man and the religious questions.

1.04. Methodologies of Science/Technology

298. Between Science and Philosophy
W. T. Griffith, Physics and
Walter Reif, Philosophy
Pacific University
Forest Grove, OR 97116

Science/Philosophy
Introductory
Undergrad sci/nonsci majors

Study of the methods and objectives of both science and philosophy and the relations between these fields. The values of science and the role of ethics in science-and-society issues were discussed. Case studies from the history of science were used to illustrate how science progresses.

299. Introduction to Philosophy of Science
Jay T. Keehley, Philosophy and Religion
Mississippi State University
Mississippi State, MS 39762

Philosophy and Religion
Introductory and advanced
Undergrad/grad

Introduction to the methodological issues common to the sciences. Exploration of the value influence of science on social issues.

300. Man and Science
(Contact) Milo V. Anderson
Seaver College
Pepperdine University
Malibu, CA 90265

Natural Science
Advanced
Undergrad sci/nonsci majors

Emphasis is basically a historical study of the strategy and tactics of science, using selected topics (atomic theory, energy, molecular genetics, pollution). Some attention is given to ethical and social consequences of scientific developments.

301. Math-Science Concepts
Erdie Morris, et al
Grand Canyon College
Phoenix, AZ 85017

Science
Undergrad sci/nonsci majors

Conceptual approach to science and mathematics as a general education requirement for all students. Deals with philosophical and ethical aspects of science, the scientific method and historical perspectives.

302. Mythic and Scientific Thought (P)
Richard Trapp, Classics and
David Mustart, Geology
San Francisco State University
San Francisco, CA 94132

NEXA
Introductory
Undergrad sci/nonsci, and humanities and arts majors

Ancient and modern myths are contrasted with scientific theories to investigate alternate modes of penetrating the mysteries of natural phenomena. Topics including human origin and migrations, drifting continents, and purported catastrophic events are considered in light of these divergent approaches.

303. The Nature of Science
Neal J. Holmes, Science Education
Central Missouri State University
Warrensburg, MO 64093

Science Education
Advanced
Grad

The role of theories, assumptions, inductive and deductive reasoning, inferences, prediction, models, ethics and practice in science.

304. Nature of Scientific Thought
M. J. Walker, Physics
University of Connecticut
Storrs, CT 06268

Science
Introductory
Undergrad/grad sci/nonsci majors

Method and purpose of science, models, sources of knowledge, decision process, relation to ethics and theology, current problems, predictions.

305. Philosophical and Ethical Problems in Technology
Lynn Lindholm, Philosophy
University of Tulsa
Tulsa, OK 74104

Philosophy
Advanced
Undergrad

A survey of philosophical problems concerning the development and effect of technology. The course tries to go behind contemporary issues and popular debates to examine the basic assumptions concerning technology which largely determine the problems.

306. Philosophical Problems in Biology, Senior Seminar
R. K. Packer, Biological Science
George Washington University
Washington, D.C. 20052

Biological Science
Advanced
Undergrad sci majors

Consideration of methodological and metaphysical topics such as: Reductionism versus antireductionism, teleology and idealism versus materialism. Also, a study of the philosophical implications of evolution and molecular biology and the possibility of constructing an ethical system on the basis of biological (especially evolutionary) theory.

307. Philosophy and Science
Mary C. Rose, Philosophy
Goucher College
Towson, MD 21204

Philosophy
Advanced
Undergrad

History of the development of the method of science; importance of commitment to values on the part of the investigator. Limited usefulness of positivism, instrumentalism, secular existentialism, critical realism. Need for realism in ontology.

308. Philosophy of Science
Ruth B. Heizer, Philosophy
Georgetown College
Georgetown, KY 40324

Philosophy
Advanced
Undergrad

An examination of scientific concepts, the nature of scientific theories, problems in scientific method, and the value questions encountered in the scientific enterprise.

309. Philosophy of Science
Jim Mannoia and Richard Trammell
Grove City College
Grove City, PA 16127

Philosophy
Introductory
Undergrad

A study of the nature and presuppositions of the scientific method. Attention is given to the implications of scientific method and "world view" for philosophy, religion, and ethics.

310. Philosophy of Science
D. G. Sanderson, Philosophy
Louisiana State University
Shreveport, LA 71105

Philosophy
Introductory
Undergrad

An examination of the central philosophical problems of science especially focusing on the value problems that science and technology have produced to contemporary society.

311. Philosophy of Science
David Fairchild, Philosophy
Purdue University
Fort Wayne, IN 46805

Philosophy
Advanced
Undergrad/grad, philosophy majors

Examines philosophic presuppositions of science, the relationships between scientific activity and human values.

312. Philosophy of Science
Mark Moore, Philosophy
Salisbury State College
Salisbury, MD 21801

Philosophy
Advanced
Undergrad sci/nonsci majors

A study of the scientific method, both as developed historically and the logical requirements for decision.

313. Philosophy of Science
Frank K. Fair
Sam Houston State University
Huntsville, TX 77340

Philosophy
Introductory
Undergrad sci/nonsci majors

Surveys topics in the philosophy of science including the logical structure of explanations, the personal factor in doing science, the relations of science to the realm of values, and the mind-body problem.

314. Philosophy of Science
T. Graham Roupas
University of Connecticut
Storrs, CT 06268

Philosophy
Advanced
Undergrad

An analysis of the nature of scientific knowledge and its relation to the world of common sense experience. A consideration of important historical and contemporary points of view concerning scientific "law" and explanation." An investigation of the philosophical implications of scientific assumptions, concepts and methods--the moral and ethical considerations of scientific research.

315. Philosophy of the Social Sciences
David H. Jones, Philosophy
College of William and Mary
Williamsburg, VA 23185

Philosophy
Introductory
Undergrad

A critical examination of competing concepts of human nature and society in the behavioral sciences and what they imply regarding the possibility of scientific explanation of human behavior. Special attention is given to the role of values in the social sciences at both the theoretical and applied level.

316. Philosophy of the Social Sciences
T. B. Ranson, Social Science
Western State College
Gunnison, CO 81230

Social Science
Grad

Through analysis and comparison of three logics--rationalistic, empirical and instrumental --students are made aware of the major methods of knowing and the implications for each for the integration of scientific and value inquiry.

317. Philosophy of Technology
Robert E. McGinn
Stanford University
Stanford, CA 94305

Values, Technology and Society
Grad/undergrad

The nature and significance of technology as a form of human activity: (1) the products, purposes, kinds of knowledge, methods, resources, psychology, and socio-cultural contexts of technology; (2) social and cultural philosophies of technologies, viz., those of Marx, Weber, Habermas, and Ellul; (3) philosophical issues in technology, e.g., technological determinism, technological and human progress, technology as value-laden or value-free, and specifically modern characteristics of modern technology in relation to cultural modernity.

318. Philosophy, Science and Human Values
James D. Heffernan, Philosophy
University of the Pacific
Stockton, CA 95211

Philosophy
Introductory
Undergrad

Inquiry into the scope and limits of the scientific enterprise and into the relationships between scientific and evaluative questions as well as an assessment of contemporary criticisms of the scientific enterprise.

319. Philosophy, Science and the Modern World
Edward W. James
Bridgewater State College
Bridgewater, MA 02324

Philosophy
Introductory
Sci/nonsci majors

Introduction to philosophy through an examination of modern science via (1) the history of science, (2) examination of whether science gives one view of the person, and (3) an examination of whether science is value free and/or free from obligations.

320. Science and Imagination
Philosophy
Shaw University
Raleigh, NC 27611

Philosophy

In thinking through the basis of 'scientific' knowledge, this course shall place into question the claim for objectivity as an appropriate description for how man knows, and shall investigate what significance and understanding of the imagination has for knowledge of any kind.

321. Science and Mysticism (P)
Bernard Gendron
University of Wisconsin
Milwaukee, WI 53201

Philosophy
Advanced
Undergrad

Science has recently been subjected to increasing attack, not only as a social force, but also as a system of knowledge. To deal adequately with these criticisms we have to probe not only into the foundations of scientific thinking but also those of traditional Western philosophy as well and examine for contrast some non-Western system of thought.

322. Science and Pseudoscience

Patricia P. Weymouth, Natural Science, et al
Michigan State University
East Lansing, MI 48823

Natural Science
General, terminal
Open to all students

Comparing ideas widely accepted in science, e.g., astronomy and physiology, with other ideas not so accepted, e.g. astrology, plant emotions and Kirlian auras, the class will explore the roles of speculation, creativity, reasoned thought and preconceptions in the development of ideas and their reception.

323. Science, Objectivity, and Values

Paul E. Tibbetts, Jr
Department of Philosophy
University of Dayton
Dayton, OH 45469

Philosophy
Service course
Undergrad sci/nonsci majors

A study of three interrelated issues: the limits of scientific methodology, science as a social institution, and science and human values.

324. Scientific Origins of the Modern World View

D. Beaver
Williams College
Williamstown, MA 01267

History of Science
Introductory
Undergrad

A study of the development, use, and implications of the fundamental concepts of the major scientific revolutions from Galileo to Einstein. Attention is given to an evaluation of the impact of science on the values and ideas of the modern world.

325. Scientific Revolutions

A. Plamondon, Philosophy and
J. Christman, Chemistry
Loyola University
New Orleans, LA 70118

Philosophy
Advanced
Undergrad

A critical study of two aspects of revolutions in science: (1) revolution in theoretical concepts and (2) cultural revolutions caused by the application of these concepts. This study will be undertaken by an assessment of what scientists do and by an evaluation of how the practice of science is influenced by cultural factors.

326. Survey of Parapsychology

R. A. McConnell, Life Science
University of Pittsburgh
Pittsburgh, PA 15260

Life Science
Advanced
Upper level and grad

Topics include: The nature of scientific theory, proof, and reality; dissociated mental states and ethical responsibility; popular occultism as a threat to science; scientific specialization as escape from reality; the intellectual revolutionary process; ESP/PK as a new kind of interpersonal relationship.

327. Understanding the Discovery Process--An Historical Approach (P)

W. D. Kingery
Massachusetts Institute of Technology
Cambridge, MA 02139

Technology Studies Program
Undergrad

Individual case histories of scientific and technological discoveries investigated by students as an experimental base for testing ideas about discovery, heuristic reasoning and the scientific process including such concepts as the market for discovery, the importance of paradigms, the importance of anomalies, the influence of communities, the distinction between discovery and proof of discovery, and the nature of plausible reasoning.

1.05. Professional Ethics

General

328. Business 371
Sr. Judith Shield
Barry College
Miami, FL 33161

Business
Advanced
Undergrad

Focus on social and ethical implications in problems concerning motivation, morale, conflict, emotions and decision-making policies, personal responsibility, corporate decisions, employer-employee relationships, productivity behavior in advertising, marketing-management. Ethical behavior in today's society.

329. Discussion Theories and Social Realities in Engineering Planning
M. L. Manheim, Civil Engineering
Massachusetts Institute of Technology
Cambridge, MA 02139

Civil Engineering
Advanced
Grad

Exploration of the roles of professionals in reaching decisions about large-scale technological projects with significant social and political contexts, with examples from engineering and planning. Technocrats and ethics; value perspectives of various technocratic professionals--engineers, architects, planners, economists, systems analysts, and the like--concerned with large-scale projects; alternative models of professional roles in societal change; poses the questions, should there be a code of ethics for technocrats and what should be the roles of the professional?

330. Ethical Issues in the Professions (P)
Michael Praetorius and Timm Thorsen
Whittier College
Whittier, CA 90608

Philosophy
Advanced
Undergrad

Investigation of the following: What is an ethical issue? What is a profession? What ethical issues confront various professionals? How should a person handle these issues?

331. Ethics and Technocrats
M. L. Manheim, Civil Engineering
Massachusetts Institute of Technology
Cambridge, MA 02139

Civil Engineering
Undergrad

Explores the value perspectives of those in the technocratic professions--engineers, economists, systems analysts, architects. Poses the question: Should there be a code of ethics for technocrats? Assists the student in clarifying personal and professional objectives.

332. Ethics for the Professional
Robert W. Blaney, Religious Studies
Daniel R. Fisher, M.D.
University of the Pacific
Stockton, CA 95211

Religious Studies
Advanced
Undergrad/grad sci/nonsci, pharmacy, dental, engineering, music majors

For students anticipating professional careers to compare methods of the humanities to business administration, education, engineering, dentistry, medicine, pharmacy, music and law. Students encouraged to develop own professional ethic.

333. Law and Business Ethics
Herman J. Saatkamp, Philosophy
University of Tampa
Tampa, FL 33606

Management
Graduate (MBA)
Grad

Study of conceptual frameworks and principles applicable to managerial decisions involving legal constraints and business ethics.

334. Medicine and Its Critics: A Study of Medical Practices as a Paradigm for Expert-Client Relations (P)
M. Kahne, Technology Studies
Massachusetts Institute of Technology
Cambridge, MA 02139

Technology Studies
Undergrad

Seminar engages problems of social planning and intervention through a study of professional behavior of medical personnel. This course is designed to provide students interested in such fields as Architecture, Planning, Law, Medicine and Engineering with a framework for understanding the social dimensions of professional work.

335. Professional Ethics (P)
Albert W. Flores, Philosophy
Rensselaer Polytechnic Institute
Troy, NY 12181

Human Dimensions Center
Advanced
Undergrad/grad sci/nonsci majors

Professional people have special responsibilities to the people they serve different from normal circumstances; explaining these responsibilities and the theoretical reasons for them is one of the purposes of the course. Codes of ethics are analyzed, case studies are presented in order to clarify the values professionals maintain.

336. Professional Ethics
Stanley Nevins and
Joanmarie Smith, Philosophy
St. Joseph's College
Brooklyn, NY 11205

Philosophy
Advanced
Undergrad sci/nonsci majors

Topics include: Impact of technology in moral decisions, nature of values, moral limits of research, and legal, medical, business and educational ethics.

337. Professions (P)
K. Manning and I. Kaplan
Massachusetts Institute of Technology
Cambridge, MA 02139

Technology Studies
Undergrad/grad

Learning to apply the insights and methods of history, anthropology, and sociology to understand the individual and social experience of people in the technical professions, with considerable attention to medicine, science and technology. Projects on issues which concern students involve field work and research at MIT and elsewhere.

338. Science and Ethics (P)
S. S. Schweber, Physics
William A. Johnson, Philosophy and History of Ideas
Brandeis University
Waltham, MA 02154

Physics/Philosophy and History of Ideas
Undergrad, open to all students

Presents a philosophical and historical perspective on contemporary concerns in the area of science and values and deals with some specific problems stemming from the advances of the sciences, in particular, questions relating to professional ethics.

339. Science and Man's Goals
Robert Beck, Mathematics
Villanova University
Villanova, PA 19085

Science
Introductory
Undergrad sci/nonsci majors

Readings and discussion on the influences of science and technology on man's way of life. Responsibilities of the researcher, the implementer, and the consumer; determination of funding priorities.

340. Science and Social Responsibility
Lawrence Badash, History
University of California
Santa Barbara, CA 93106

History
Advanced
Undergrad nonsci majors

Seminar on various topics dealing with the effect of science upon society, and questions of scientific responsibility.

341. The Scientist and Social Responsibility (P)
W. C. Kaufman, University Seminar Program
University of Wisconsin
Green Bay, WI 54302

Senior University Seminar
Advanced
Undergrad sci/nonsci majors

A consideration of the motivation of scientists, their attitudes toward ethical practices in research, the application of research findings and the relation of political and national concerns to science and research.

342. Selected Topics in Physical Anthropology
William M. Bass, Richard L. Jantz
and Fred H. Smith
Department of Anthropology
University of Tennessee
Knoxville, TN 37916

Anthropology
Advanced
Grad

A graduate seminar aimed at teaching advanced students ethics and values of science, research and teaching.

343. Social Science Interdisciplinary Seminar
Sally Gorelnik, Sociology
California State College
Turlock, CA 95380

Social Science
Advanced
Undergrad

The theme of the course is ethics in modern society. Basically, the ethical standards of different occupational groups through guest speakers and presentations.

Engineering

344. Civil Engineering
D. Roos, Civil Engineering
Massachusetts Institute of Technology
Cambridge, MA 02139

Civil Engineering
Introductory
Undergrad

An overview of the civil engineering profession through an introduction to its issues, career opportunities, and personalities through lectures. Lecturers and topics chosen to provide a representative sample of technical, legal, business and ethical aspects of civil engineering practice.

345. The Engineer and Society
Alfred C. Ingersoll and Philip O'Brien,
Engineering Systems
University of California
Los Angeles, CA 90024

Engineering
Advanced
Undergrad, engineering majors

Designed to consider the role of the professional engineer in an advanced technological society, to acquaint the student with engineering ethics, to develop his ability to think constructively about his contribution to change, social, political, ecological.

346. Engineering and Society
Richard L. Rosen and Cecil Smith, History
and Diran Apelian, Materials Engineering
Drexel University
Philadelphia, PA 19104

History-Politics
Advanced
Undergrad sci, engineering majors

Covers the development of technology, social change and the role of technological innovation, the origins and development of the engineering professions, technology assessment, and the responsibilities of the engineer. Topics were developed historically and socially to familiarize the student with the role of the engineer in society; past, present and future.

347. Engineering Ethics
John H. Fielder, Philosophy
Villanova University
Villanova, PA 19085

Philosophy
Advanced
Undergrad

An application of moral principles to the various functions of the engineering profession: Problems concerning the scope of the engineer's responsibility and scientific freedom are drawn from a work context and discussed.

348. Engineering: Its Role and Function in Society
Daniel Rosenthal, Engineering
School of Engineering and Applied Science
University of California
Los Angeles, CA 90024

Engineering and Applied Science
Introductory
Interdisciplinary

Engineering as viewed by humanists, scientists and engineers, past and present. The role of science and humanities in its approach to professional, environmental, and societal problems.

349. Engineering Professional Advocacy
Robert L. Carter, Electrical Engineering, et al
University of Missouri
Columbia, MO 65201

Electrical Engineering
Advanced
Undergrad/grad

Legislative organization and processes at state level; engineering and science content of general legislation; techniques of communication with legislative staff available to engineers.

350. Engineering, Technology and Society
James R. Baker, Engineering
Fort Lewis College
Durango, CO 81301

Freshman Seminar/Engineering
Undergrad

Writing, speaking and scholarly investigations of the engineering profession, the problems faced by engineers, and approaches to them.

351. Ethical Issues in Science and Engineering (P)

C. Weiner
Technology Studies Program
Massachusetts Institute of Technology
Cambridge, MA 02139

Technology Studies
Undergrad/grad

Exploration of the ethical issues that arise in contemporary technical activity. Students may participate in oral history interview with individuals who played roles in these developments. Seminar, lectures and individual or group field projects.

352. General Engineering Seminar

Jerry S. Dobrovolny, General Engineering
University of Illinois
Urbana, IL 61801

General Engineering
Introductory
Undergrad, seniors in general engineering

Series of lectures and discussions by department faculty and visiting professional engineers on ethics, professional registration, the role of technical societies, and the relation of engineering to such disciplines as economics, sociology, and government.

353. Legal and Ethical Aspects of Engineering

Stephen Rudy, Engineering
School of Engineering
The Cooper Union
New York, NY 10003

Introductory
Undergrad

A survey of courts and their jurisdiction; civil and criminal law; equity jurisprudence; expert witness; contracts; patents; product liability; unfair competition; professional ethics and professional enhancement.

354. Legal, Ethical and Social Aspects of Engineering

Robert M. Anderson, Electrical Engineering
A. A. Potter Engineering Center
Purdue University
West Lafayette, IN 47907

Electrial Engineering/ Mechanical Engineering
Advanced
Undergrad/grad

Product liability and negligence law as it affects the engineer in the employ of a company. Ethical problems of employed engineers. Impact of government on engineering. Social consequences of engineering decisions.

355. Moral Issues in Engineering (P)

Fay Sawyer, Philosophy, et al
Illinois Institute of Technology
Chicago, IL 60616

Philosophy/Humanities
Advanced
Undergrad, faculty audit course

Analysis of moral issues pertaining to the engineering profession. Among the topics covered: theoretical basis of codes of professional ethics, social responsibilities of engineers, concept of professionalism, ethics of competitive business situations.

356. Professional Development (P)

R. W. Kraft and S. K. Terby
Department of Metallurgy Materials
Lehigh University
Bethlehem, PA 18015

Metallurgy
Advanced
Undergrad

This course has two objectives: (1) To help the student become more fully aware of the human, social, political, ethical and moral dimensions of his chosen field, and (2) to assist him in making an intelligent decision about his career after he graduates from the university.

357. Professional Responsibilities of Engineers

Harry Brandt
Department of Mechanical Engineering
University of California
Davis, CA 95616

Mechanical Engineering
Advanced
Undergrad

Organization of the engineering profession; engineering and management; introduction to contracts, specifications and business law; technical writing; oral presentation on the interaction between engineering and society.

358. Science, Engineering and Society (P)

Sal Restivo, Sociology
Rensselaer Polytechnic Institute
Troy, NY 12181

Advanced
Undergrad sci and engineering majors

A comparative study of science and engineering as social systems, the social roles of scientists and engineers, and the sociology of scientific and other modes of inquiry. Topics covered include values and social responsibility, ideologies and radicalism in science and engineering; antiscience movement; the futures of science and engineering.

359. Seminar on Professional Ethics in Engineering (P)

Stephen H. Unger, Electrical Engineering and
Department of Computer Science
Columbia University
New York, NY 10027

Engineering
Advanced
Undergrad/grad, engineering majors

Importance to society of ethical behavior by engineers, philosophical historical foundations of engineering ethics, contents of codes, case histories: BART, DC-10, Goodrich airbrakes, and others. The technical witness; plagiarism, AAUP approach to defending professionalism in teaching; supporting the ethical engineer; roles of professional societies, unions, governments, law, universities.

360. Social and Professional Responsibilities of the Engineer

L. E. Goodman
Institute of Technology
University of Minnesota
Minneapolis, MN 55455

Institute of Technology
Advanced
Undergrad sci majors

Ethical problems arising from the engineer's responsibility to the public, to clients and to other professionals are explored in a series of dialogues between practicing engineers and people outside of the profession.

361. Technology and Man

D. Perreault, Computer Engineering
F. Collins, Systems Engineering
College of Engineering
Boston University
Boston, MA 02215

Engineering
Introductory
Undergrad

Introduces the student to the history, policy, ethics and societal phases of engineering.

362. Technology and Responsibility

C. Le Felne
Lower Columbia College
Longview, WA 98632

Sociology
Introductory
Undergrad nonsci majors

An introduction to the secondary effects of technology on the environment and social structure of man. An examination of the responsibility involved in the creation and utilization of technological devices and processes from a long range point of view.

363. Technology and Society (P)

Stephen H. Unger, Electrial Engineering
and Computer Science
School of Engineering and Applied Science
Columbia University
New York, NY 10027

Engineering
Introductory
Undergrad, engineering majors

Environmental and social impact of technology on society, particularly the consequences of alternative technological choices. Emphasis on the special role of the engineer. Topics include: Technology in human history, an introduction to ecology, energy needs and resources, transportation, war, privacy and professional ethics in engineering.

Psychology

364. Ethical and Professional Problems in Psychology

Lawrence E. Taliana and
Billy J. Rogers, Psychology
Southern Illinois University
Edwardsville, IL 62026

Psychology
Advanced
Grad, psychology students

Professional practice of psychology and ethical implications in practice, relationships and research. Problems relating to legal status, confidentiality, legal aspects of testing and ethics are also included.

365. Ethical Issues in Contemporary Psychology

May Ann C. Richter, Philosophy and
Hank Schneider, Psychology
Appalachian State University
Boone, NC 28608

Philosophy/Psychology
Advanced
Undergrad

Covers basic ethical theories in relation to psychological theories and approaches to treatment. An attempt is made to analyze ethical standards for psychologists in terms of internal consistency and underlying ethical theories. A series of contemporary ethical issues are discussed in detail.

366. Ethics and Professional Problems

David E. Clement, Stephen L. Cohen and
Miles W. Hardy
University of South Florida
Tampa, FL 33620

Psychology
Advanced
Grad

Covers problems involved in professional practice as a psychologist in a wide variety of settings (e.g. research, clinical and counseling practice, industrial-organizational practice). Problems range from ethical matters to research funding and business aspects of professional practice.

367. Personality: Theory and Research

F. Canter, Psychology
Eastern Michigan University
Ypsilanti, MI 48197

Psychology
Advanced
Grad

Examination of the concept of personality within the framework of the conceptual and ethical issues in studying it and the scientist's human relationship to his subject matter.

368. Professional Concerns
William Watkins, Psychology
College of Arts and Sciences
Eastern Kentucky University
Richmond, KY 40475

Psychology
Advanced
Grad sci majors

Emphasis is on the legal and ethical obligations incurred in the psychologist-patient relationship. Topics considered: ethical and legal aspects and professional organizations.

369. Professional Ethics in Psychology
Daniel J. Kaeck, Psychology
Fort Hays Kansas State College
Hays, KS 67601

Psychology
Grad

Designed to familiarize students with ethical concerns involved with experimentation, psychological testing, efficacy of psychotherapy, behavior modification, and forensic psychology.

370. Professional Problems
E. Philip Trapp
University of Arkansas
Fayetteville, AR 72701

Psychology
Advanced
Grad

Discussion of the ethical code, treatment of human and animal subjects, legislative acts, rights of institutionalized patients, confidentiality.

371. Professional Problems in Psychology
R. S. Daniel, Psychology
University of Missouri
Columbia, MO 65201

Psychology
Advanced
Grad

Covers three major areas: Literature retrieval methods, scientific reporting, and professionalization (including ethics).

372. Teaching Psychology
David Nichols, Psychology
University of Colorado
Colorado Springs, CO 80907

Psychology
Advanced
Undergrad/grad

The APA code of ethics for psychologists as scientists, teachers and practitioners forms the core of the course content. How it effects research, teaching and practice in psychology.

Helping Professions

373. Ethics
Henry L. Ruf
West Virginia University
Morgantown, WV 26506

Philosophy
Introductory
Undergrad

A professional ethics course for graduate students in health education.

374. Ethics, Economics and Jurisprudence
V. Stankiewicz, Dental Hygiene
Prairie State College
Chicago Heights, IL 60411

Dental Hygiene
Introductory
Undergrad

Includes: (1) professional ethics (2) legal status of the dental hygienist to the public, other professionals and self, and (3) ethical responsibilities to the profession.

375. Ethics of the Helping Professions
Catherine Elgin, Philosophy
Simmons College
Boston, MA 02115

Philosophy
Introductory
Undergrad sci/nonsci, med and nursing students

Ethical issues common to the helping professions all are examined. What is it to help someone? Is it possible to help someone without violating his rights? How can the professional resolve the moral tension between his obligations to his client and his institutional obligations?

376. Foundation of Nursing and Professional Nursing III
(Contact) A. David
Villa Maria College
Erie, PA 16510

Nursing
Introductory and Advanced
Undergrad

Assists students to understand the role of professional nursing. Emphasis is on health and health care delivery, man and his environment and the professional moral and ethical responsibilities as a helping professional.
P. N. III - Includes legal and moral and ethical considerations when working with clients with chronic illness.

377. Medical Ethics (P)
(Contact) William B. Bean, M.D.
University of Texas Medical Branch
Galveston, TX 77550

Medical Humanities
Introductory
Med students

Introduction to the subject of professional ethics in medicine from historical and philosophical viewpoints.

378. Pharmacy Ethics
Charles L. Braucher, Pharmacy
School of Pharmacy
University of Georgia
Athens, GA 30602

Pharmacy
Introductory
Pharmacy students

Examines problems faced by the community pharmacist as he strives to strike a balance between the demands of economic competition and the demand of professional ethics. The interaction of value systems and modern pharmaceutical technology are considered.

379. Value Conflicts in the Practice of Medicine (P)
Roy Branson, Theology
Georgetown University
Washington, D.C. 20057

Theology
Introductory
Undergrad/grad, med and nursing students

How physicians and patients perceive each other reflect their value commitments. Attention will be paid to the differing assumptions lying behind those who argue that the physician is a caring friend responsible for deciding how to minimize his patients' suffering, those who insist he is a technician providing services defined by consumers, and those who see him as a citizen entering into contracts with patients.

2. ENVIRONMENTAL CONCERNS

2.01. Stewardship of Natural Resources
(Cultural Attitudes toward the Environmental/Ethical Responsibilities)

380. American Environmental History
David Morris, History
Santa Barbara City College
721 Cliff Drive
Santa Barbara, CA 93109

Environmental Studies/History
Introductory
Undergrad sci/nonsci majors

Traces American attitudes and actions toward the environment from colonial times to present. Basic ecological concepts also presented.

381. Conservation of Natural Resources
Prof. Shipley, Natural Science
California State University
Long Beach, CA 90840

Biology

Natural resources of the world, with emphasis on those of the United States; extent, value, wise utilization and conservation of these resources for future generations.

382. Conservation of Natural Resources
Russell Flynn, Geography
Cypress College
Cypress, CA 90630

Geography
Introductory
Undergrad nonsci majors

Investigations and interpretation of the quality of man's physical habitat in a changing cultural world. Conservation of the natural resources, urban-suburban environments and decreasing opportunities for outdoor recreation.

383. Development of the Environmental Ethic
Jack Smith, Environmental Studies
Johnson State College
Johnson, VT 05656

Environmental Studies
Advanced
Undergrad

Investigates the forces which underlie our culture's attitudes toward the natural environment. Conservation history is included. Special emphasis is upon the contribution of technological and scientific forces to the environment.

384. Earth Ethics
Hal Lenke and Harriet Hodges
Prescott Center College
Prescott, AZ 86301

Introductory/advanced
Undergrad/grad sci/nonsci majors

How to behave as creatures of the planet. Past projects have included starting campus vegetable garden; students studying alternate energy sources, learning about adobe construction, solar energy devices.

385. Ecology
Joyce Bartels, Humanities and Social Science
Midwest College of Engineering
440 S. Finley Road
Lombard, IL 60148

Humanities
Introductory
Undergrad/ grad sci, engineers

Study of the interrelationships of organisms and their environment in the presence of man and his works; impact of industrialization, corrective measures and controls, economic and social factors; ethics of engineering ecology.

386. Ecology and Man
Philip T. Clampitt, Biology
Oakland University
Rochester, MI 48063

Biology
Intermediate
Sophomore or above

The field of ecology and its philosophical, social and technical implications will be briefly explored in this course. The instructor's perspective will be basically biological and ecological, but the subject matter will be interdisciplinary, and students of varying backgrounds, disciplines and points of view are encouraged to enroll. Most of the sessions will be devoted to free-ranging discussion and debate, based on selected brief but thought-provoking readings, plus whatever background information the students bring to the course. The objective of the course is to do some straight thinking, individually and collectively, on issues which, though possibly controversial, could be of utmost importance to the future of mankind.

387. Ecology and Religious Ethics
Hans O. Tiefel
College of William and Mary
Williamsburg, VA 23185

Religion
Introductory
Undergrad

Moral and religious aspects of human ecology as overpopulation, pollution, resource depletion. Context: Western religious understanding of man and nature.

388. Ecology in American History
Irving Bartlett, History, and visiting engineers
Carnegie-Mellon University
Pittsburgh, PA 15213

History
Advanced
Undergrad

Study of the changing nature and conception of the environment in American history, with a focus on attitudes and ideas about the environment.

389. Environment, Culture, and Values
Priscilla Laws, Physics
Frederick Ferre, Philosophy
Dickinson College
Carlisle, PA 17013

Environmental Studies
Introductory
Undergrad

A study of the effects of scientific, religious, and philosophical values on attitudes toward the environment and how these attitudes may affect our way of life. After exploring the conscious or unconscious myths that people live by, alternative world models are considered together with changes in life style and consciousness that these may involve.

390. Environment of Mar
Don Wemple and Edward Roach
San Diego City College
1425 Russ Boulevard
San Diego, CA 92101

Life Sciences
Introductory
Undergrad sci/nonsci majors

An examination of the immediate and long-range causes and effects of air, water, and land pollution on the total environment including the study of positive solutions to our ecological dilemma.

391. The Environment: What Are Man's Choices?
Langley Wood, et al
Sweet Briar College
Sweet Briar, VA 24595

Environmental Studies
Introductory
Undergrad sci/nonsci majors

An introduction to the problems of man's relation to his environment, including historical, ethical and aesthetic, as well as political, scientific, and economic perspectives.

392. Environmental Conservation
University of Illinois at Chicago Circle
P. O. Box 4348
Chicago, IL 60680

Biological Sciences
Grad/undergrad

Applied ecology of the use of renewable natural resources; special emphasis on biotic problems of land, water, and air management; pollution, population increase, multiple-use concept, and land ethics.

393. Environmental Ecology
Russel O. Wagner
University of Wisconsin
Platteville, WI 53818

Biology
Advanced
Undergrad sci/nonsci majors

A study of ecological principles and of environmental problems as related to community structure, populations, food chains and cycles, succession and eutrophication, including the basic concept of ethics.

394. Environmental Ethics (P)
I. Barbour, Religion; Clark, History; and Jensen, Biology
Carleton College
Northfield, MN 55057

College
Intermediate
Undergrad

Attitudes toward nature in Western thought, American history and literature, and contemporary ecology. Priorities and assumptions influencing environmental policy. Wilderness preservation as a case study.

395. Environmental Ethics
Holmes Rolston, Philosophy
Colorado State University
Fort Collins, CO 80523

Philosophy
Introductory
Undergrad

Concerns of nature--scientific, philosophical, and religious--as these bear on human conduct in and toward the natural world, in an ecological perspective. Topics: the ecological turn; philosophical paradigms; government; humankind; nature; Eastern perspectives; nature in Communist ideology; the primal vision; ecological ethics.

396. Environmental Ethics (P)
S. M. Brown, STS and Philosophy; and
M. Safoff, STS
Cornell University
Ithaca, NY 14853

Biological Sciences and Philosophy
Introductory
Undergrad sci/nonsci majors

Concerns impact, the conflicting demands we put upon the environment. We shall address specific areas in which technological solutions are proposed to adjust environmental realities to human desires and consider what we would have done to achieve the "right" balance between our opportunities, our values and our needs.

397. Environmental Ethics (P)
Stanley T. Sutphin
Elizabethtown College
Elizabethtown, PA 17022

Philosophy and Religion
Advanced
Undergrad sci/nonsci majors

The course aims at discovering what ethical responsibilities people have in the social, political, economic, and physical spheres for the survival of mankind. Attention is given to basic ecological principles which support a harmonious accommodation of life in nature.

398. Environmental Ethics — Environmental Science
Shaw University
Raleigh, NC 27611

Two opposing environmental philosophies are explored: (1) the idea of man's dominion and exploitation of nature, and (2) the view of man as only the caretaker of nature. The origins of these philosophies will be traced, and value clarifications concerning the application of science to the well-being of man is stressed.

399. Environmental Ethics — Philosophy
Kenneth Goodpaster, Philosophy
University of Notre Dame
Notre Dame, IN 46556

An attempt to come to grips critically with the moral significance of contemporary concern for ecology and the environment and an examination of the extent to which this concern challenges the resources of Western ethical thought on pollution, conservation, and population control.

400. Environmental Ethics — Biology and Theology
David A. Mullen, Biology, and — Advanced, upper division
Hamilton Hess, Theology — Undergrad/grad, sci/nonsci, medical students
University of San Francisco
San Francisco, CA 94117

An attempt to help modern man understand the basic reasons for his existence and his position in the biosphere.

401. Environmental Ethics (P) — Philosophy/Environmental Studies
Jon Moline, Philosophy — Introductory
University of Wisconsin — Undergrad/grad, sci majors
Madison, WI 53706

Concerned with man's relationship with the environment. Is it a moral concern or a matter of prudence? How can moral considerations be extended directly to endangered species? Will the notion of a "right" help?

402. Environmental Ethics — Philosophy
Baird Callicott, Philosophy — Junior/senior
University of Wisconsin — Undergrad/grad, sci/nonsci majors
Stevens Point, WI 54481

Philosophical, religious, and scientific concepts and values which have structured human attitudes toward the natural environment; alternative concepts and values will be explored.

403. Environmental Ethics — Environmental Science
Gerald L. Young, Biology and Environmental Science — Advanced
Washington State University — Undergrad/grad, sci majors
Pullman, WA 99163

A seminar of seniors and graduate students reading and discussing selected articles on ethics as related to environmental issues.

404. Environmental Philosophy — Philosophy
Kenneth Brown, Philosophy — Sophomore/junior
Manchester College — Undergrad
North Manchester, IN 46962

Consideration of value-oriented questions implicit in the environmental crisis. Topics include technology, ecology, population, social justice, life styles.

405. Environmental Problems
Sister Maura Smith, J. Daniel O'Connor and Randolph Byrd
Mercyhurst College
Erie, PA 16501

Introductory
Undergrad

An interdisciplinary course which analyzes the problems of the environment from the point of view of morality, sociology, economics, and science.

406. Environmental Problems I
James Gilford, Biology
Hood College
Frederick, MD 21701

Environmental Studies
Introductory

A two-semester course which examines our most important environmental problems, their causes, and their consequences, public reactions to them; relevant legislation, court decisions, and government policies; and possible alternatives for coping with these problems. Population dynamics are emphasized as one of the fundamental contributing causes of environmental problems. Interrelations between science, technology, changing values, and population dynamics are explored.

407. Environmental Quality
Philip C. Greear, Biology and Earth Science
Shorter College
Rome, GA 30161

Natural Sciences
Introductory
Undergrad sci/nonsci majors

Examines problems of human ecology; population, resource use, social ethics.

408. Environmental Sociology
Craig R. Humphrey, Sociology
Pennsylvania State University
University Park, PA 16802

Sociology
Advanced
Undergrad/grad

An examination of capitalism and the free enterprise system, transcendentalism, and the conflicting values represented in these belief systems as they relate to land use. The course examines the impact of these values on the contemporary environmental movement with special emphasis on land use planning and the limitations of land use regulatory agencies.

409. Environmental Studies I
Ron Bonnstetter, Science-Mathematics
Iowa Lakes Community College
300 South 18th Street
Estherville, IA 51334

70-1504
Introductory
Undergrad sci/nonsci majors

An introductory study introducing the environmental problems and the history of man with his environment. Time is spent with each of the major environmental issues facing contemporary man to provide a better framework from which to base our future values.

410. Environmental Studies
Western Illinois University
Macomb, IL 61455

Introductory
Undergrad

An introductory interdisciplinary course designed to expose all students to basic environmental problems; causal factors; social, political, economic, and technical constraints; alternative solutions; and value judgments in such problems.

411. Environmental Studies: The Humanistic Perspective (P)
Gretchen Schoff, Environmental Studies
University of Wisconsin
Madison, WI 53706

Institute for Environmental Studies
Introductory
Undergrad, sci/nonsci majors

An introduction to environmental problems as approached by philosophy, literature, fine arts, history of science, and anthropology. Reflections on the past and present situation of our species and its relationship to the rest of nature offer suggestions toward possible alternative values.

412. Environmentalism in United States History
Saul Lerner, History
Purdue University
2233 171st Street
Hammond, IN 46323

History
Advanced
Undergrad sci/nonsci majors

A survey of the differing perspectives, attitudes, and values with which Americans have perceived and acted toward, upon, and within their physical environment from the late 18th century to the present.

413. General Ecology
Peter Skaller, Landscape Architecture and Regional Planning
University of Pennsylvania
Philadelphia, PA 19104

Landscape Architecture
Introductory
Grad School
Grad nonsci majors

Basic principles of ecology, stressing ecosystem function, organism adaptation, evolutionary processes . . . in a context of philosophical and religious inquiry.

414. Human Ecology
R. E. Boerner, Biology
Burlington County College
Pemberton, NJ 08068

Biology
Introductory
Undergrad nonsci majors

The course is divided into two portions. The first develops knowledge of classical ecology while the second examines cases in which society, its processes and values, and ecosystem dynamics are in conflict. Values clarification is used to explore for solutions.

415. Human Ecology
Shirley F. Hartley, Sociology
California State University
Hayward, CA 94542

Sociology
Advanced
Undergrad

Introduction to theory and research on human ecosystems, with their interrelated components of population, environment, technology, and organization. Forms of social organization which result from the interaction of the components.

416. Human Ecology
Gerald L. Young, Biology and Environmental Science
Washington State University
Pullman, Washington 99164

General Biology
Advanced
Undergrad/grad, sci/nonsci majors

A course on the epistemology and theory of human ecology as an interdisciplinary domain--develops key concepts including ethics as a derivative at more basic ideas in human ecology.

417. Human Ecology Dimension; Intro: Junior and Senior
P. L. Packard, Biology
Donald Weatherman, Political Science
Louie Attebery, English
College of Idaho
Caldwell, ID 83605

Extradepartmental
Introductory
Undergrad sci/nonsci/other

To give students a working conception of basic ecological principles as they apply to organisms other than man. A look into the earliest history and later history of man and his place in the ecosystems. To determine main ways man has differed from that of other forms of life. Examine the growing feelings that man's ecology in order to be successful must have a large number of international aspects. Does a shrinking earth demand a more integrated structure of operation? What new attitudes, ethics, philosophies may need to be adopted?

418. Humanity and the Environment
William Lindsay
Monterey Peninsula College
Monterey, CA 93940

Biology
Undergrad nonsci

A study of the history of the relationship between humanity and the environment, stressing events which have led to current problems, with a study of these problems and their possible solutions.

419. Introduction to Environmental Studies
Philip Ode and Merrill Downer
Thiel College
Greenville, PA 12125

Environmental Studies
Advanced
Undergrad

Study of our environment and environmental problems from the perspectives of the natural and social sciences, and ethics.

420. Introduction to Religious Studies
Don S. Ross, Religious Studies
University of Wisconsin
Whitewater, WI 53190

Religious Studies
Introductory
Undergrad

This course emphasizes human ethical values in relation to the natural environment in the face of increasing technological advancement, and environmental problems. It seeks to emphasize ecological themes in the Hebrew Scriptures, as well as the doctrines of other religions.

421. Living in the Environment
George E. Stanton, Biology
Columbus College
Columbus, GA 31907

Biology
Advanced
Grad School
Undergrad

Living in the environment. Investigation of the ecological functions of the human species, the changes and problems resulting from human interactions with earth's environments, and potential approaches to the solution of these problems.

422. Man and His Environment I and II
Winslow H. Hartford, Chemistry, et al
Belmont Abbey College
Belmont, NC 28012

Environmental Science
1 sem intro/2 sem advanced
Undergrad

History, philosophy, and ethics of science; matter and energy; the biosphere; air, water, and mineral resources. Technology of pollution control and land use. Economic, social, political, and ethical considerations in arriving at solutions.

423. Man and His Environment
D. Hulsingh, University Studies
North Carolina State University
Raleigh, NC 27607

University Studies
Introductory
Undergrad sci/nonsci majors

An interdisciplinary examination of the growing interaction between man and his global environment. Attention is focused upon the fundamental concepts of ecology, the impacts of technology, the humanistic aspects of environmental problems and the need for new institutional arrangements.

424. Man and His Environment
William H. Walker, Biology
Seton Hill College
Greensburg, PA 15601

Biology
Introductory
Undergrad

Investigates the increasing number of actual and potential environmental health and morality problems. Designed to help interested citizens to know ecological principles by which to evaluate some of the above problems.

425. Man and the Environment
University of Southwestern Louisiana
Lafayette, LA 70501

Biology
Introductory
Undergrad

Study, discussion, and analysis of the environment, particularly as it relates to man, his position in it, and his effects upon it; origin and nature of life and of man; growth of world population and its impact on the environment; changing attitudes, including plans for survival of man in his changing environment.

426. Man and His Environment
James F. Arnesen, Biology, and
Ray De Palma, Biology
William Rainey Harper College
Palatine, IL 60067

Biology
Introductory
Undergrad sci/nonsci majors

Deals with man's relationship with nature and with himself. Draws from the disciplines of economics, politics, biology, and psychology.

427. Man and the Physical Environment
University of Illinois at Chicago Circle
P.O. Box 4348
Chicago, IL 60680

Geography
Undergrad

Man's place in the world ecosystem is analyzed as an aspect of man-land relationships. Pollution of the physical environment is discussed in technical, social, and philosophical terms. Implications of environmental planning and control are reviewed.

428. Man and the Wilderness
David E. Bixler, Biology
Chaffey College
5885 Haven Avenue
Alta Loma, CA 91701

Biology
Introductory
Undergrad nonsci majors

An exploration of man's relationship to nature from a physical, social and cultural viewpoint. Various views of nature are explored from a number of cultural viewpoints.

429. Man in the American Environment (P)
Institute for Environmental Studies
University of Wisconsin
Madison, WI 53706

Institute for Environmental Studies/History
Advanced
Undergrad/grad sci/nonsci majors

Diverse responses to the changing American environment from early man to the present, including institutional, ecological, geographic, and intellectual aspects in historical perspective.

430. Man, Nature, Ethics
David E. Bixler, Biology
Chaffey College
5885 Haven Avenue
Alta Loma, CA 91701

Biology
Introductory
Undergrad

Various cultural views of nature are explored. An attempt is made to evolve a contemporary, adaptive bioethic, which will accommodate man's physical, cultural, and social needs.

431. Man's Impact on the Natural Landscape: Geographical and Historical Perspectives (P)
Clinton R. Edwards
University of Wisconsin
Milwaukee, WI 53201

Geography
Advanced
Undergrad sci/nonsci majors

Geographical and temporal distribution of human effects on the land and resources; historical background of human concern for deleterious effects of man's impact on the environment.

432. Man's Place in Nature
Staff, Natural Science
Michigan State University
East Lansing, MI 48824

Natural Science
Introductory, honors students
Undergrad honors

Various issues confronting modern man in his attempt to understand his place in and relation to the environment. Emphasis on the role of science in helping to resolve these issues.

433. Mind and Environment
University of Illinois at Chicago Circle
P.O. Box 4348
Chicago, IL 60680

Geography
Undergrad

Models and theories concerning the relationship between psychological processes and the environment; major philosophical models, ancient and modern; major scientific theories developed in geography, psychology, anthropology, and other fields; new insights into the role of cognition and values in such aspects of environmental behavior as locational decision making, geographic learning, and the ethics of conservation.

434. North Land Values (P)
Kent Shifferd, History and Environmental Studies, and
Peg Jackson, English
Northland College
Ashland, WI 54806

Humanities
Advanced
Undergrad

Senior seminars will examine in depth separate geographical areas of Lake Superior in terms of ethnic heritage, literature and architecture, together with the relationship between man and nature during their histories. Specific current environmental issues and attitudes held regarding these issues, will be studied.

435. Philosophy of the Ecological Problem — Philosophy

Rev. Matthew Morry, Philosophy
Providence College
Providence, RI 02918

A philosophical analysis of man's existential situation and his relationships to animate and inanimate reality in the light of ecology.

436. Philosophy of the Environment — Philosophy; Advanced, jr./sr. semester; Undergrad sci/nonsci majors

Pete A. Y. Gunter
North Texas State University
Denton, TX 76203

This course explores man's concepts of his physical and social environment; changing attitudes toward contemporary ecological problems; limitations of technology.

437. Quality of Life — Environmental Studies; Advanced; Grad

Lester Milbrath, Environmental Studies
State University of New York
Buffalo, NY 14214

Critical examination of the latest empirical research on quality of life as experienced by people in various communities and countries.

438. Religion, Ethics, and the Environment (P) — Natural Resources; Introductory; Undergrad/grad sci/nonsci majors

Richard A. Baer, Jr., Natural Resources
Cornell University
Ithaca, NY 14853

Study of Western religion and values as these have affected our understanding and treatment of nature. Initial historical overview followed by consideration of selected themes, including progress, play and work, objectivity and subjectivity, human finitude and death, and knowledge as control. Also responsibility to future generations; limiting growth and questions of distributive justice; implications of environmental policies for minorities, the poor, and other nations; reverence for being.

439. Resources and Man — Geography; Introductory; Undergrad

Thomas R. Vale, Geography
University of Wisconsin
Madison, WI 53706

A review of human population growth and its impact on the Earth's resources, including food, energy, physical materials, water, biota, and landscapes; the geography of resource availability and the limits of the Earth as a producer of resources; the importance of attitudes and values in resource use.

440. Science and Survival — Physical Sciences; Introductory; Undergrad nonsci

Thomas Morrison, Physical Sciences
Westchester Community College
75 Grasslands Road
Valhalla, NY 10595

The course provides an opportunity to study three basic questions: (1) Is man destroying his environment? (2) Is he destroying himself? (3) What is this conflict between man and nature about? Some topics covered: philosophy of science, impact of science, science and man, science and government, science and morality.

441. Science, Technology and Society
Paul F. Hawley
University of Tulsa
Tulsa, OK 74104

ID 2033
Introductory
Undergrad sci/nonsci majors

How technology in general aids, or places strains on, society. Peak referrals are to population dynamics, depletion of nonrenewable natural resources, and problems of ecology (largely pollution).

442. Seminar in Environmental Values (P)
Richard A. Baer, Jr., Natural Resources
Cornell University
Ithaca, NY 14853

Natural Resources
Intermediate
Grad/undergrad

How the humanities, particularly religion, philosophy, and ethics, contribute to our understanding of the environment. In successive years, topics will include: (1) the role of non-utilitarian values in our relationship to our natural environment, (2) land ethics, and (3) new models for higher education in the age of ecology, (4) concepts of growth and progress in Western culture and their impact on our treatment of the environment.

443. Social Consequences of Human Evolution (P)
Paul Sager
University of Wisconsin
Green Bay, WI 54302

University Seminars Program
Introductory
Undergrad

Examines the basic changes in attitude and perceptions of need for the natural environment by the human organism as a consequence of our social and biological evolution. Included will be particular consideration of the ecological/environmental ethic and the ways in which this ethic is exemplified today in our society.

444. Social Ecology
Robert J. Kuehl, Social Sciences
Waukesha County Technical Institute
Pewaukee, WI 53072

809-150-000
Introductory
Technical

Social ecology or, more properly, human ecology focuses on the relationships and interrelationships of human populations to the ecosystems of which they are a part. Overriding objective is to discover the sociological ramifications of the relationships.

445. Technology and Human Values (P)
J. Clayton Feaver, Philosophy, and
Stephen Sutherland, Geography
University of Oklahoma
Norman, OK 73019

Philosophy and Geography
Honors
Undergrad sci/nonsci majors

Consideration of the interplay between environment and human values.

446. Wilderness Biology I and II
David E. Pixler, Biology
Chaffey College
5885 Haven Avenue
Alta Loma, CA 91701

Biology
Advanced
Undergrad sci majors

A field exploration of selected wildland regions with a field approach. Includes camping and hiking under wilderness conditions for four weeks. The intensive study of the region is holistic in approach and includes biological, geologic and historic aspects. Historical land use is compared with current practices. Land use values are discussed in light of the above investigation.

447. World Ecology

Charles Robinson, Malcolm Davies, and Corlis Riddick
Community College of Baltimore
2901 Liberty Heights Avenue
Baltimore, MD 21215

Geography
Introductory
Undergrad nonsci majors

An introduction to the ecological problems of major concern in the world of today. Examines the problems of population, resources, pollution, and survival.

2.02. Global Problems and Strategies

448. American Issues

E. Long and J. Luongo
Clark Technical College
572 E. Leffell Lane
Springfield, OH 45501

General Education
Introductory
Undergrad

Problem-oriented course which deals with ethical implications of ecological and population issues.

449. Chemistry and Your Environment

Robert Roy Kinther or Richard J. Landborg
Augustana College
29th and Summit Avenue
Sioux Falls, SD 57102

Chemistry
Introductory
Nonsci majors

Assists the nonscience major in understanding the role chemistry plays in their lives. Topics of current interest (e.g., pollution, food additives) are discussed and the chemical principles required for their understanding are developed. The ethical and moral implications of the impact of chemistry in particular and science in general on our environment are discussed.

450. Culture, Life Style and Science in a No-Growth World (P)

N. L. Petrakopoulos, Environmental Science and Senior University Seminar
University of Wisconsin
Green Bay, WI 54302

University Seminars Program
Advanced
Undergrad sci/nonsci majors

This course focuses on the implications of the pressures of population growth coupled with limited resources, the possibility of steady-state economic systems, technological changes, and possible effects on everyday life. What would life be like in a steady-state, no-growth society? In what ways would people search for status and satisfaction? What kinds of spiritual and cultural growth might still be possible? In exploring these questions, this course considers how education can come to terms with the problem of no-growth so that citizens can seek to change their values and social attitudes, invent new technologies, and create imaginative and highly responsive new democratic systems.

451. Dynamics of World Hunger

W. H. Osterle, Theology; G. Srivastava, Physics; W. Haab, Chemistry; and S. Kohli, Business
University of Scranton
Scranton, PA 18510

Interdisciplinary
Advanced
Undergrad

Focus on national and international problem of hunger and question of adequate food resources and uses of resources. Politics of food production; economics of food. Issues of nutrition. Ethics of solutions proposed.

452. Ecology, Evolution and Human Values
George K. Reid and Sheila Hanes, Philosophy
Eckerd College
P.O. Box 12560
St. Petersburg, FL 33733

NVS
Introductory
Undergrad sci/nonsci majors

This course is designed to affirm the importance of human values by dealing with environmental and social issues and in planning the evolutionary future of man's culture. Topics such as the effect of natural geologic and evolutionary processes, world nutrition and agriculture, population control, social evolution, disposal of wastes, use of energy and the support of natural resources will be studied.

453. Energy Alternatives and Societal Values: Technology Assessment for Non-Engineers
Charles E. Bond, Aeronautical and Astronautical Engineering
University of Illinois
Urbana, IL 61801

Aeronautical and Astronautical Engineering
Introductory
Undergrad/grad sci/nonsci, law, and others

The energy-environment crisis as a sample societal problem for which there are alternative technological and nontechnological "solutions." Aesthetic, environmental, and human consequences of each alternative. Pertinent physical concepts. The function of values in the development and resolution of the energy-environment problem, student participation in role playing, panel discussions, and value clarification strategies.

454. Energy and Society (P)
Thomas J. Connolly, Mechanical Engineering
Stanford University
Stanford, CA 94305

Mechanical Engineering
Undergrad

A unified analysis of the effects on man's environment of the production, distribution and consumption of energy. Treatment will include: the kinds and magnitude of energy resources; the various technologies for conversion to electric energy and other consumer forms; priorities and strategies for future development; the social conflicts between growing demands and environmental degradation; technological assessment; the legal and economic framework of the energy industry. Presentation of technical information will be in terms understandable to the non-engineering student.

455. The Energy Problem
David J. Cowan
Gettysburg College
Gettysburg, PA 17325

Interdisciplinary Studies
Introductory
Undergrad sci/nonsci majors

The course consists of a study of energy principles and how they affect the various energy technologies. Energy resources and the social and economic aspects of energy are also studied.

456. Ergs and Genes
Roger Anderson, Physics
Seattle Pacific College
3307 3rd Avenue West
Seattle, WA 98119

Natural and Math Sciences
Introductory
Undergrad

Study of scientific principles involved in energy production and use, value aspects of energy crisis, principles of modern genetics, issues in human genetic manipulation, introduction to evolution.

457. Ethics in a Technological Era

Jeffrey Bland, Environmental Science
University of Puget Sound
Tacoma, WA 98416

Environmental Science
Undergrad sci/nonsci majors

The objective of this course is to help students to achieve the ability to think about the immediate and long-term future of the planet. Relation of a student's education to world problems such as population, nuclear potential, environmental deterioration and economic growth will be the focus of study.

458. Feast and Famine: A World Problem in Perspective

E. E. Weber, Biology
Keuka College
Keuka Park, NY 14478

Biology
Advanced (sophomore and above)
Undergrad nonsci

Designed for nonscience students; implications of science related to a major world problem (food supply/demand); emphasis on ethical and social effects of choices for the future.

459. Food, Population and Energy

Basil O'Leary, Theology
University of Notre Dame
Notre Dame, IN 46556

Theology
Advanced
Undergrad

Interdisciplinary course examines "structural violence" in the use and distribution of food and energy in relation to population growth. From the standpoints of the biological and social sciences the current world situation is assessed and then reflected upon theologically and philosophically.

460. Food, Public Policy, and Innovation

John H. Perkins, Western College
Miami University
Oxford, OH 45056

Western College
Advanced
Undergrad

The course covered the nature of the world food problem from an economic, political, philosophical, biological, agricultural, and nutritional viewpoint. It raised and attempted to answer the question of whether and how agricultural innovations might alleviate malnutrition. It also explored the types of policies needed or likely to be implemented for advancing agricultural technologies.

461. Geography of Population

University of Illinois at Chicago Circle
P.O. Box 4348
Chicago, IL 60680

Geography
Undergrad/grad

Broad treatment of the problems created by the changing distributions and numbers of the world's population. Emphasis on the relationships between population and resources; intensive study of the implications for both overpopulated and underpopulated world areas.

462. Global Problems and Human Survival

Ronald Glossop, Philosophy;
Richard Parker and Marion Kumler, Biology; and
Rashool Hashimi, Economics
Southern Illinois University
Edwardsville, IL 62026

Philosophy, Biology, and Economics
Introductory
Undergrad sci/nonsci, nursing

A team-taught interdisciplinary course addressed to the issues of the survival of the human race in the face of complex interrelated problems such as war, underdevelopment, population, pollution, resource depletion, and misuse of the ocean.

463. Human Ecology
Richard Haas
California State University
Fresno, CA 93740

Biology
Upper division
Undergrad sci/nonsci majors

Basic ecological principles as they apply to man and his activities. Consideration of ethical issues attendant upon population growth, resource depletion, extinctions, world hunger.

464. Introduction to Environmental Studies
Jack Peck, Biology; David Jerde, Physics; and John Phillips, Philosophy
St. Cloud State University
St. Cloud, MN 56301

Environmental Studies Program
Introductory
Undergrad

Interdisciplinary, team-taught approach to overpopulation, pollution, limits-to-growth, impact of technology, political and economic obstacles to change, attitudes and values changes needed, lifestyle impact.

465. Man and His Environment
Elmo A. Law and Earl Munger
University of Missouri
Kansas City, MO 64110

Biology
Introductory
Undergrad sci/nonsci majors

To acquaint the student with ecological principles and their relationship to global environmental problems. The course is a practical one for both science and nonscience majors and emphasizes scientific, social, economic, political, and moral issues

466. Modern Society and Science
George Allen, Mavis McCormic, and Physical Sciences and Engineering
Mt. San Antonio College
Walnut, CA 91789

Physical Sciences and Engineering
Undergrad

The relevance of science and technology to problems of modern civilization is evaluated. Man's exploitation of resources, changes in the quality of life, suburban sprawl and rural blight, pollution, and population explosion are studied as related to the capacity of scientific technologies to escalate or retard the current trends.

467. The Nuclear Age: Energy Options and the Environment
G. T. Hageseth and Gerald Meisner, Physics
University of North Carolina
Greensboro, NC 27412

Physics
Introductory
Undergrad sci/nonsci majors

The societal impact of past, present, and future interactions of science and society. Emphasis is placed on nuclear energy and the energy crisis.

468. Overcoming World Hunger--Policies and Strategies for Action (P)
Robert H. Maier, SEC and EA
University of Wisconsin
Green Bay, WI 54302

925-401/402, Sec. 3
Advanced
Undergrad sci/nonsci majors

This seminar focuses on the development of practical, and perhaps new, approaches to overcoming world hunger by a better understanding of the significant contributions that can come from the humanities and social sciences and amalgamating these contributions with the "hard sciences."

469. Population Ethics

Marie T. Dimond, Biology; and
Helen J. John, Philosophy
Trinity College
Washington, DC 20017

Biology/Philosophy
Introductory/advanced
Undergrad/grad nonsci, philosophy majors

Interdisciplinary approach: scientific advances, social context and human values in population policy. The World Population Plan of Action: evolution and environment; limits to growth; fertility control; education for responsible parenthood; effect on status of women; issues in applied genetics; future.

470. Population, Human Behavior and Food (P)

Joseph Harris, Biology; Tom Rowe, Psychology;
Baird Callicott, Philosophy; and Jay Cravens,
Natural Resources
University of Wisconsin
Stevens Point, WI 54481

Biology, Philosophy, Religious Studies, Humanities
Advanced
Undergrad/grad, sci/nonsci majors

Population control and the ethical issues involved, results of high population density, the evolution of humanity, and potential and limitations for food production.

471. Problems in a Technological Society

William R. Pasterczyk, Jurgis A. Anysas,
and Avrom Blumberg, Chemistry
DePaul University
1036 West Belden Avenue
Chicago, IL 60614

Natural Science
Introductory
Undergrad nonsci

Detailed discussions of one or two current social problems such as: modern warfare and disarmament, pollution, population and resources, food additives, drugs.

472. Problems in Science and Society

Carl S. Oplinger, Biology; David N. Stehly,
Chemistry; and Robert F. Milligan, Physics
Muhlenberg College
Allentown, PA 18104

Science
Introductory
Undergrad sci/nonsci majors

The course examines topics which may eventually determine man's continued existence on earth, such as: energy production, resource utilization, environmental pollution, food production, overpopulation, third world development, and genetic manipulation. Student debates are widely used to encourage students to study both sides of a controversial issue.

473. Resource Utilization and the American Character (P)

Michael Morgan
University of Wisconsin
Green Bay, WI 54302

University Seminars Program
Introductory
Undergrad

We are the "Arabs of the food world." We are one of only four countries that regularly have extra food to sell or give away to other nations. Yet with increasing population demands and unfavorable weather, we soon may be able to feed only ourselves. This module will emphasize the use of simulation games and small group discussions to understand interrelations and different viewpoints on the issues of the distribution of food. Evaluation of students will be based upon in-class discussions, book critiques, and one paper.

474. The Steady State . . . Is It Necessary for Survival?
Heinz Bertelsmann, Government
Bard College
Annandale-on-Hudson, NY 12504

Social Studies
Introductory
Undergrad

Effects of pollution on the ecosystem, the pressures created by population growth and rising standards of living on the finite resources of land, minerals and energy. Extensive consideration of the moral implications and economic and political measures necessary to assure the survival of humanity and planet earth.

475. Technology and Ethics
D. Goldsmith, Religion/Philosophy;
J. Cameron, Economics; and A. Willems,
Industrial Arts
McPherson College
McPherson, KS 67460

Philosophy and Religion
Introductory
Undergrad

Introductory analysis of global problems, critical history of efforts to solve same from anthropological and ethical points of view.

476. World Hunger
John DeTurck, Biology; and
Suzanne C. Toton, Religion
Cabrini College
Radnor, PA 19087

Religion
Introductory
Undergrad

An in-depth study of the causes of and remedies for world hunger. Course includes topics of nutrition, politics and economics of hunger, domestic hunger and alternative lifestyles.

477. World Hunger
Sr. Mary Brian, Nursing;
R. L. Cunningham, Philosophy; and
Scott McElwain, Government
University of San Francisco
San Francisco, CA 94117

Philosophy, Government,
Interdisciplinary
Introductory
Undergrad

Course deals with the nutritional, political, and ethical dimensions of world hunger.

3. HEALTH CARE, LIFE SCIENCES, BEHAVIORAL SCIENCES

3.01. Social/Philosophical Perspectives of Biomedical Sciences

478. Alcohol and Drug Abuse
Frank E. Ladwig, Social Work
University of Wisconsin
Madison, WI 53706

Social Work
Advanced
Undergrad/grad, sci/nonsci, law, medicine, business, agriculture

Presentation of social, legal, political and ethical considerations surrounding the use and abuse of alcohol and psychotropic drugs in the U.S. Ethical and value clarifications of practitioner intervention.

479. Ancient Medicine (P)
Kathryn A. Thomas, Classics
Creighton University
Omaha, NE 68178

Classical Civilization
Introductory
Undergrad, pre-health science and nursing

Study of the development of medical and surgical techniques and the philosophical, religious, sociological, political, and literary aspects of health care delivery in the ancient world; reading of classical medical treatises.

480. Bioecology of Health
Andrew McClary and
Marvin D. Solomon, Natural Science
Michigan State University
East Lansing, MI 48824

Natural Science
Upper classmen
Undergrad nonsci

Health viewed as environmental adaptation. Implications of this view, especially re these questions: What has caused different health problems to arise through time and cultural change? How may an optimum state of health be achieved? Is a health "utopia" possible?

481. Death and Dying Seminar
William C. Fish, Education
Oakland University
Rochester, MI 48063

Human Resources Development
Advanced
Undergrad, pre-counseling

A historical, philosophical, cultural, theological and psychological study of the phenomenon of death, with particular emphases on counseling the dying and explaining death to children. Students are pre-counseling or helping profession clientele, undergraduates. Course is a research seminar, with emphasis on individual projects and contributions to general discussion.

482. Dilemmas in Healing: Medical, Social and Religious Perspectives
Andrew Sorensen, Preventive Medicine and Sociology;
H. R. Halcomb, Philosophy and Religious Studies;
William Greene, Medicine and Psychiatry; and
William Green, Religious Studies
University of Rochester
Rochester, NY 14627

Preventive Medicine, Sociology, Religious Studies
Introductory
Undergrad/grad sci/nonsci majors

A working seminar focusing on medical ethics, we will discuss dilemmas related to the following topics: the language of ethics, western religious and cultural perspectives on healing, the rights of patients, advertising of drugs, solicitation of informed consent, organ transplantations, and care of terminally ill.

483. Ethics and Medicine
David Ozar, Philosophy
Loyola University
6525 N. Sheridan Road
Chicago, IL 60626

Philosophy
Intermediate
Undergrad sci majors (pre-med, pre-dental, nursing, others)

This course in the social philosophy of medicine examines patterns of action, judgment, value that characterize medicine as a complex social institution. Topics include: conceptions of health and disease and the aims of medical practice; distributional criteria and the right to health care; practitioner-patient relations deriving from medicine's status as a profession.

484. Health and Society
Russell C. Maulitz, History and Sociology of Science
University of Pennsylvania
Philadelphia, PA 19104

History and Sociology of Science
Introductory
Undergrad sci/nonsci majors, business administration

Schematic approach to problems of health and society in historical perspective: (1) changing concepts of disease, perceptions of disease, and impacts of disease, (2) changing role of healers and health providers, (3) changing modes of health care in western society.

485. Health Care, Society and Values (P)
Charles J. Dougherty, Philosophy
Creighton University
Omaha, NE 68178

Philosophy
Advanced
Undergrad sci

A medical ethics course focusing on the conflict between individual and society.

486. History and Ethics of Health
Rosa Lynn Pinkus
Graduate School of Public Health
University of Pittsburgh
Pittsburgh, PA 15261

Health Services Administration
Advanced
Grad

An interdisciplinary seminar approach is used to provide graduate students in the Health Center with an understanding of the historical and ethical foundations of the contemporary health care system in the United States. History, philosophy, political sciences, and social psychology perspectives are used. Topics are analytically rather than chronologically presented.

487. Human Dimensions of Biomedical Innovations (P)
David L. Ellison, Sociology
Rensselaer Polytechnic Institute
Troy, NY 12181

Sociology
Advanced
Undergrad/grad sci, pre-med, biomed engineers

How do the products of biomedical technology affect us as taxpayers, patients, care-givers, technicians, inventors, developers and responsible participants in human communities? The course first studies the role of technology in society, then the nature and scope of biomedical technologies with emphasis on role changes and role conflicts in those associated with new developments. Three kinds of technologies are studied intensely: genetic intervention, artificial kidney, computer diagnosis. Student projects involve intensive case study of some biomedical technology.

488. Infectious Disease: An American Social History
Martin S. Pernick, Humanities
College of Medicine
Milton S. Hershey Medical Center
Pennsylvania State University
Hershey, PA 17033

Humanities
Med school
Grad, med
Med students

Through history, the relation between the social and medical ecology of disease is presented, emphasizing the ethical, cultural, and legal dimensions of disease and medical decision-making.

489. Insight in the Humanities for the Physician (P)
Glenn R. Pratt, Allied Health
Medical College of Virginia
Richmond, VA 23298

School of Medicine
4th yr med students
Med students

This course involves a wide-range evaluation of the relevance of human insights derived from history, philosophy, literature, and theology. Each student is encouraged to make his or her own study of a topic of special interest, e.g., the physician's role in time of suffering, pain, and death.

490. Legal Drugs: Use and Abuse (P)
Dennis Eisenrath, Psychology;
Joseph Harris, Gordon Geeseman, Biology; and
Robert Cassidy, Religious Studies
University of Wisconsin
Stevens Point, WI 54481

Biology, Philosophy, Religious Studies, and Humanities
Advanced
Undergrad/grad sci/nonsci

Drug development and marketing and the psychological, ethical, social and medical implications, and results of drug use.

491. Medicine and Society
Joan Smith, Sociology
Dartmouth College
Hanover, NH 03755

Sociology
Intermediate
Undergrad, med students

Takes up the historical analysis of the rise of modern medicine and its technological/scientific focus and the analysis of its contemporary culture including ethical and value implications.

492. Medicine in Society (P)
Robert D. Reece and Harvey A. Siegal
Wright State University School of Medicine
P.O. Box 927
Dayton, OH 45401

Medical School
Introductory
Med students

Examines the doctor-patient relationship from an ethical and sociological perspective.

493. Medicine in Society (P)
Robert D. Reece and Harvey A. Siegal
Wright State University School of Medicine
P.O. Box 927
Dayton, OH 45401

Medical School (513 and 514)
Introductory
Medical students

513--Examines ethical and value concerns in medical service delivery.
514--Examines the family as a social institution and its effect on health and illness; examines community and the utilization of the human service delivery system; examines the organization of health care delivery.

494. Perspectives in Health Care
Joyce Evanski, Allied Health
Orange Coast College
2701 Fairview Road
Costa Mesa, CA 92626

Allied Health
Introductory
Undergrad

An overview of health care--the purpose; the patient; economic, political, and legislative influences; delivery systems; legal aspects; ethical considerations; team concept of care.

495. Philosophies of Health and Medicine
Michael Adess, Biology; and
Benjamin Page, Philosophy
Quinnipiac College
Mt. Carmel Avenue
Hamden, CT 06518

Philosophy
Intermediate
Undergrad sci/nonsci

A critical examination of the assumptions underlying technologically based, scientifically oriented medicine, the resulting concept of "health," and of the practical socio-economic consequences of the application of such medicine in the advanced and in the underdeveloped countries. Alternatives such as primitive and folk medicine are also considered.

496. Philosophy, Biology and Medicine
E. Manier, Philosophy
University of Notre Dame
Notre Dame, IN 46556

Philosophy
Advanced
Undergrad/grad sci/nonsci majors

Philosophy of biology: models, metaphors, and explanation, reduction and wholism, comparison of theoretical structure of evolution and molecular biology. Philosophy of medicine: comparison of anthropology and medical sciences, concepts of life, death, health. Ethics: evolutionary ethics, research on human subjects, respect for nature.

497. Philosophy of Medicine
Bernard Gert, Philosophy; and
Charles Culver, Psychiatry
Dartmouth College
Hanover, NH 03755

Philosophy
Advanced
Undergrad

Primary concern is with moral issues that arise in dealing with individual patients, e.g., paternalism, informed consent, euthanasia, abortion, and medical experimentation. Also an attempt to clarify concepts such as death, illness, and disease.

498. Philosophy of Medicine
K. Danner Clouser and Arthur Zucker
College of Medicine
Milton S. Hershey Medical Center
Pennsylvania State University
Hershey, PA 17033

Humanities
Med School
Med students

Explores a variety of concepts, assumptions, methods, and characteristics, which are integral to medicine, yet seldom examined in and of themselves. A forum for pursuing the interesting, curious, and perplexing aspects of medicine in a fairly rigorous way.

499. Philosophy of Medicine
Robert Baker, Philosophy
Union College
Schenectady, NY 12308

Philosophy
Advanced
Undergrad

An exploration of medical models, conceptions of health, disease, physician, patient, applied to questions of nature of mental illness, morality of biomedical research on human subjects.

500. Philosophy of Medicine

Paul W. Sharkey, Philosophy
University of Southern Mississippi
Hattiesburg, MS 39401

Philosophy
Advanced
Undergrad sci majors

An introduction to the history and philosophy of medicine stressing the valuational aspects (cultural, aesthetic, moral) of our concepts of the nature and purpose of medicine, concepts of disease, health, life, death, and ethical problems arising from advancement of medical technology.

501. Philosophy of Medicine

Robert W. Daly, M.D., Psychiatry
Upstate Medical Center
State University of New York
Syracuse, NY 13210

Psychiatry
Advanced
Med students

Through class discussion, texts, . . . the students deepen their humanistic knowledge of activities as physicians.

502. Philosophy of Medicine--An Examination of the Concept of Disease (P)

H. Tristram Engelhardt, Jr., M.D., and
Rosemary Kennedy, Philosophy of Medicine
Kennedy Institute
Georgetown University
Washington, DC 20057

Philosophy
Advanced
Undergrad/grad sci/nonsci, med

The first third of this course will be an introduction to controversies concerning the concept of disease with special emphasis upon normative versus neutralist and ontological versus physiological construals of this concept. Here general problems concerning theory formation in medicine will be explored. The second third of this course will be a brief historical survey of the developments of modern concepts of disease with stress upon the contributions of certain people. The final section of the course will be on analysis of medical language with a view toward distinguishing explanatory versus evaluative, and descriptive versus explanatory components.

503. Philosophy of Medicine/Philosophy of Technology (P)

Paul Durbin, Philosophy/Health Science
University of Delaware
Newark, DE 19711

Philosophy/Health Science
Advanced
Undergrad/grad, sci/nonsci majors

Study of contemporary research community using the approach of social and political philosophy. Who makes the major decisions about research? What rights do individual researchers have? What control does a democratic society have over research? The biomedical research component of the course will focus on the development of the National Institutes of Health research program after WW II utilizing special documents on health research policy from the National Library of Medicine.

504. A. Religion and Health (P)
B. Medical Problems and Society (P)

James J. Quinn, Philosophy and Theology
Creighton University Medical School
Omaha, NE 68178

Religion
Ethics
Advanced
Med students

The medical student (senior) researches problems of his choice. He may take one month or more to do his research or field work and write up his findings. The goal is to publish his results.

505. Seminar in Social and Political Philosophy

Robert Baker, Philosophy
Union College
Schenectady, NY 12308

Philosophy
Advanced
Undergrad

Depending on interest of instructor, course usually deals with topics relevant to social philosophy of medicine--this year the concept of disease, last year euthanasia.

506. Social and Ethical Issues in Medicine (P)

Chase P. Kimball, M.D., Psychiatry/Medicine
Patti Tighe, Psychiatry/Medicine
James Gustafson, Divinity School
University of Chicago
Chicago, IL 60637

Psychiatry/Medicine/Social Medicine
Introductory
Grad, med students

A course for first-year medical students addressing contemporary social and ethical issues in medicine, including the distribution of scarce resources, population control, termination of life, informed consent, confidentiality, suicide, right to refuse treatment, genetic counselling, care of the aged, defective new-born, role responsibility, right to refuse treatment. Examination of ethical concepts as means of making decisions around these issues.

507. Social Medicine (P)

Sheldon Greenfield, Medicine
Department of Medicine
University of California
Los Angeles, CA 90024

Social Medicine/Public Health
1st, 2nd year med students
Med students

A broad introduction to various important subjects in the social medicine and public health area, including the development and evolution of medical care organizations in the United States, the relation of minorities and the medical system, styles of medical practice, international health problems, legal and ethical issues in medicine.

508. Society, Culture and Health Care (P)

D. Ermann, Sociology; C. Leslie, Anthropology; and G. Peters, Political Science
University of Delaware
Newark, DE 19711

Health and Life Sciences/ Sociology/Political Science/ Anthropology
Introductory
Undergrad, sci/nonsci, pre-med, nursing, pre-med professionals

An interdisciplinary study of the political, social, economic and humanistic issues of health care delivery, including issues of health care delivery problems, constraints on decisions, economic aspects.

509. Sociology of Health and Illness

David M. Weiss, Sociology
C. W. Post College
Hoxie Hall
Greenvale, NY 11548

Sociology
Advanced
Undergrad

The study of the interplay of the biological, the physical, the social, and psychological factors relating to health. Additionally, the study of the organization of health care delivery and the organization of health care professions.

510. Topics in the Humanities (P)
Chester R. Burns, M.D.
University of Texas Medical Branch
Galveston, TX 77550

Introductory
Nursing, allied health

Use of readings and discussion, to explore selected topics in the humanities and medicine, e.g. care of terminally ill patients, concepts of health and disease, child care in the United States.

511. Values in the Health Professions (P)
Warren Reich, Community Medicine
Georgetown University School of Medicine
Washington, D.C. 20057

Community Medicine
Intermediate
Grad/undergrad, med, nursing

An interprofessional, interdisciplinary course that examines the value dimensions of health and health professions by various analytic methodologies; creative literature, sociology of medicine, and philosophy of medicine.

512. Values in the Living World
Prof. Hutch, Religion, et al
Southern Illinois University
Carbondale, Illinois 62901

Liberal Arts College
Introductory
Undergrad

Starting with personal decisions people in health and biocareers must make, the course expands to wider and wider areas that must be considered in decision making until it reaches decisions involving the whole environment.

3.02. Law, Medicine, and the Life Sciences
(Law and Biomedical Sciences)

513. Genetic Engineering and the Law
Raymond G. Decker
Lesley Andrus
Loyola Law School
1440 W. 9th Street
Los Angeles, CA 90015

Law
Law students

An interdisciplinary exchange between lawyers, geneticists and population planners and analyze the questions of the legal status of embryonic life, the determination of parenthood in experimental reproduction and the desirability of legal control over genetic experimentation and manipulation.

514. Law and Bioethics
Samuel Shuman
Wayne State University Law School
Detroit, MI 48202

SL 0659
Advanced
Law student

Medical and legal problems, including the medicalization of morality, political psychiatry, peer review and human rights committees, informed consent, treatment of involuntarily detained patients, medical suppression of violence, human experimentation, and genetic manipulation.

515. Law and Biology
Roger B. Dworkin, School of Law
Indiana University
Bloomington, IN 47401

Law
Advanced
Law students

Law's response to rapid social and scientific change. Examination of traditional and new legal tools for dealing with problems raised by family planning, population control, genetic disease, genetic engineering, scarce medical resources, death determination, organ transplantation, biohazards and experimentation with human subjects.

516. Law and Contemporary Problems: Law and Health Policy (P)
John Robertson
University of Wisconsin Law School
Madison, WI 53706

Law School,Program in Medical Ethics
Introductory
Grad, law, med students

Major issues in legal regulation of health care enterprise with special emphasis on medical ethics, and innovation.

517. Law and the Life Sciences (P)
A.M. Capron
Yale Law School
New Haven, CT 06520

Law School

Assessment of social response to selected problems created by biomedical developments. Seminar examines, e.g., (1) advances in genetics, such as screening and gene therapy for adults, prenatal diagnosis through amniocentesis, and neonatal screening, and the relation of these techniques to positive and negative eugenics; (2) mind and behavior control; (3) population control, including abortion, contraception, determination of the sex of offspring; (4) artificial and transplanted organs, which may raise questions not only about the definition of life and death but also about the allocation of scarce medical resources; and (5) techniques for prolonging life, consideration of "death with dignity."

518. Law and Medicine (P)
H.R. Beresford, Cornell Medical School
L.I. Palmer, Cornell Law School
Cornell Law School
Myron Taylor Hall
Ithaca, NY 14853

Law School Cornell
Seminar
Law student

An examination of selected contemporary problems in law and medicine. Through the utilization of legislative proposals, cases, commission reports, and materials from medical literature, the course will explore the legal, ethical, medical, and jurisprudential issues raised by these contemporary problems.

519. Law, Medicine and Human Values (P)
William J. Winslade, Law and Psychiatry
School of Law
University of California
Los Angeles, CA 90024

Law/Psychiatry
Prof school
Grad, law, medical

Legal, philosophical, and psychological issues arising in context of the doctor-patient relationship. Value conflicts underlying and manifested in medical practices and legal policies.

520. Legal and Ethical Issues in Developmentally Disabled (P)
Alexander J. Tymchuk
University of California
Los Angeles, CA 90024

Psychiatry
Grad

Discussion of ethics, reason for need of ethics, process for ethical decision-making, applied to areas of concern of the developmentally disabled regarding rights, informed consent, sexuality.

521. Legal Aspects of Medicine

Margie Willis
Orange Coast College
2701 Fairview Road
Costa Mesa, CA 92626

Allied Health
Introductory
Undergrad

Legal responsibilities and potential legal problems encountered within the health care system. Emphasis on role and responsibilities of allied health personnel.

522. Legal Aspects of Nursing: Issues and Decision-Making

Lillian E. Taubert, Nursing Education
San Antonio College
1300 San Pedro
San Antonio, TX 78284

Department of Nursing
Continuing Education
RN, LVN

This course is designed for nurses working in hospitals, nursing homes, and clinics. Course content will focus on examining problems and situations having legal and ethical implications for nurses and examining individual value systems in making decisions about the nurse's role in legal and ethical problems and situations.

523. Legal Regulation of Biomedical Sciences (P)

R.A. Burt
Yale Law School
New Haven, CT 06520

Law school

Seminar covers current question about the proper uses of biomedical science and techniques for social resolution of such questions. Discussion of: Who is a proper candidate for medical treatment, including the "protesting patient," the incompetent patient" or the "coerced patient"; proper medical intervention, including genetic manipulation or psychosurgery for social behavior control purposes or experiments on persons intended only to benefit others. Proper roles of various institutional techniques for resolving these questions, including legislation, litigation and professional or patient self-regulation.

524. Medical Ethics

John Arras, Philosophy
University of Redlands
Redlands, CA 92373

Philosophy
Advanced
Undergrad

Study of moral and legal theories will be applied to problems in the medical context. Various ethical and social theories will be applied to problems of current interest, such as euthanasia, human experimentation, health-care distribution.

525. Medical Legal Problems

Jane Friedman
Wayne State University Law School
Detroit, MI 48202

SL
Advanced
Law

Current problems in medical malpractice law (arbitration and insurance) as well as issues arising from recent advances in bio-medical technology (amniocentesis, fetal experimentation, and bio-hazards).

526. Medicine, Law and Society (P)
Bernard Towers, Pediatrics and Anatomy
William J. Winslade, Law and Psychiatry
University of California
Los Angeles, CA 90024

Council on Educational Development
Introductory
Undergrad, sci, nonsci

The purpose of the course is to discuss medical-legal problems such as abortion, behavior modification, child abuse, attempted suicide, sex-change treatment and euthanasia. Seminars are preceded by interdisciplinary panel discussions recorded live on videotape at meetings of the Medicine and Society Forum, UCLA. These problems are examined in the light of background reading from law, medicine and philosophy.

527. Nursing in Society
Lois Linn, Helen Kramer, and Mary Hemelt
Department of Nursing
Essex Community College
Baltimore, MD 21237

Nursing
Undergrad

Provides an acquaintance with historical perspectives, ethical-legal implications on current trends as they affect the practice of the nursing graduate.

528. Pediatrics, Ethics, and the Law: Workshop 2 (P)
Angela Holden
William G. Bartholome, M.D.
Institute of Society, Ethics, and the Life Sciences
360 Broadway
Hastings-on-Hudson, NY 10706

Institute of Society, Ethics and Life Sciences
Physics, nurses and social workers

The workshop will examine the ethical issues surrounding the medical and health care of children. Principal topics include: care of newborn and chronically ill child, experimentation involving children, child abuse, sexuality, the death of the child. The workshop opens with an overview of childhood in western civilization and the child in Anglo-American common law and statutory law.

529. Pharmacy Law
Daniel Holstrom
College of Pharmacy
University of Minnesota
Minneapolis, MN 55455

Pharmacy
Introductory
Undergrad

A programed instruction of pharmacy law and ethics.

530. Practice Administration and Jurisprudence
Billy E. Hooper, Administration
School of Veterinary Medicine
Purdue University
Lafayette, IN 47907

Veterinary Medicine
Professional
Veterinary students

A series of lectures and readings designed to expose the student to those principles of law and ethics that govern the behavior of the veterinarian and the veterinary profession.

3.03 Biomedical Ethics

Biomedical Ethics (General)

531. Advanced Residence in Medical Ethics (P)
Glenn C. Graber and
L.B. Cebik, Philosophy
Charles H. Reynolds, Religious Studies
University of Tennessee
Knoxville, TN 37916

Philosophy
Advanced
Grad

A progam of intensive study, lasting approximately two months, at some appropriate clinical or research center. The Knoxville faculty and the resident supervisors will work together with the student to co-ordinate this unit of study with the student's chosen dissertation topic.

532. Bioethics
Rev. Brother Charles Duffy
Iona College
New Rochelle, NY 10801

Interdepartmental Studies
Introductory
Undergrad

A relevant look at some of the essentials of modern biology for the nonscientist to provide knowledge and understanding of new techniques which are being investigated for the manipulation and control of man's physiology and heredity. This investigation is followed by a timely examination of the ethical and moral questions inherent in such manipulative techniques as genetic engineering, cloning, surrogate motherhood, sperm banking, etc.

533. Bioethics in Perinatology (P)
Michael G. Blackburn, M.D.
John H. Sorenson,
Medical College of Pennsylvania
3300 Henry Avenue
Philadelphia, PA 19129

Pediatrics and Preventive Medicine
Introductory
Med

This course considers ethical issues in relation to major concerns of perinatology: conception, gestation, birth and post-natal care. Ethical concerns for rights and duties of physicians, staff and patients.

534. Birth Defects
Arlan Edgar, Biology
Alma College
Alma, MI 48801

Biology
Advanced
Undergrad, sci

Content includes impact on parents and society of birth defects; drug-induced birth defects; societal intervention to alleviate birth defects; genetically based birth defects; affects of radiation; nutritionally based birth defects; environmentally induced birth defects.

535. Clinical Medical Ethics: Workshop 3 (P)
K. Danner Clouser and
William Nelson
Institute of Society, Ethics, and the Life Science
Hastings-On-Hudson, NY 10706

Institute of Society, Ethics and Life Science
Post grad

Workshop presentations will be made by clinicians who have had personal experience in confronting moral problems in medical practice. Visits to an ICN and an adult ICU and demonstrations of various life-support equipment will be made. Discussions will be held throughout the week on both the clinical and theoretical aspects of moral problems in medicine.

536. Ethical Dilemmas in Health Care
D. Thomasma, J. Shaw and
J. Pisaneschi
Human Values and Ethics
University of Tennessee
66 N. Pauline
Memphis, TN 38163

Humanities
Introductory
Grad, Med, health profession

Using an ethical workup developed for the course, students first are taught its method, then solve cases with readings attached in groups.

537. Ethical Issues in Medical Practice
John J. Pilch, Preventive Medicine
Medical College of Wisconsin
561 North 15th Street
Milwaukee, WI 53233

Department of Preventive Medicine
Multidisciplinary
Med students

Simultaneous with two student projects the course reviews the major health problems families may encounter and their concerns. The health care system and legal structure of society is also investigated and all of the preceding is reviewed within the ethical framework for medical practice.

538. Ethical Issues in Medicine (P)
Norman Fost, M.D., Pediatrics
University of Wisconsin
Madison, WI 53706

History of Medicine
Introductory
Grad, med. law

Six paradigms in medical ethics, designed to raise and coordinate with theoretical basis for analyzing and resolving ethical dispute.

539. Ethics and Health Care (P)
Clayton Rowland and
Albert Wertheimer
University of Minnesota
Minneapolis, MN 55455

Pharmacy
Introductory
Pharmacy

Dicussion of ethics and the role of the pharmacist in health care. Considered are both pharmacy and the effect of health policy on ethical issues in pharmacy today.

540. Health and Disease in Historical Perspective
Russell Maulitz, Medicine and History of Science
University of Pennsylvania
Philadelphia, PA 19174

Advanced
Undergrad/grad, med

Diseases of medical progress, iatrogenicity, milestone in scientific medicine, medical specialization and the research model, aging, death and suicide, ethical and scientific aspects.

541. Introduction to Mental Health Programs
Gladys B. Baxley, Psychology
University of Illinois
Urbana, IL 61801

Psychology
Advanced
Grad/undergrad

Historical foundations, schema for classification of mental health delivery systems, contemporary treatment strategies, ethical and legal issues, and alternatives to institutional treatment.

542. Medical and Business Ethics (P)
Francis J. Kovach, Philosophy
University of Oklahoma
Norman, OK 73019

Philosophy
Introductory/advanced
Undergrad/grad

In the introductory part, basic moral concepts, such as morality, norm and principles of morality are discussed. In the practical part of the course, the basic moral principles are applied to the business and moral issues; the latter concern the physician, the patient and medical institutions from the view points of justice, prudence and love.

543. Medical Ethics
James P. Hanigan, Philosophy, Religion
Villa Maria College
2551 W. Lake Road
Erie, PA 16505

Humanities
Introductory
Undergrad

An analysis of the relationship between patients and medical personnel, with particular attention to issues such as consent, experimentation, transplants, death and dying, genetic counseling, etc.

544. Perspectives in Ethics: Death and Dying
Graydon Dean Luthey, Jr., Philosophy
University of Oklahoma
Norman, OK 73069

Philosophy
Junior/Senior
Undergrad, sci/nonsci

Course deals with such topics as: Western philosophical traditions on death and the after death experience; the definition of death and when it happens in medicine, law and religion; funerals; ethical dilemmas--abortion, suicide, capital punishment.

[545-708] Courses 545-708 all examine various ethical and moral questions that have arisen with the recent technological advances in biology and medicine. These courses are sufficiently similar to warrant our using the following common course description:

An examination of ethical and moral questions that have arisen with recent technological advances in biology and medicine. Issues are examined from the perspective of the humanities, the social sciences, or biology. Topics typically include abortion, euthanasia, allocation of scarce medical resources, genetic counseling, experimentation on human subjects, iatrogenic problems, and occasionally problems such as population and food distribution.

545. Bioethical Decision-Making *
Jon R. Hendrix, Biology
Ball State University
Muncie, IN 47306

Biology
Advanced
Undergrad/grad, sci/nonsci, nurses, biology teachers

*The description of this course appears above between course numbers 544 and 545.

546. Bioethical Questions *
Philibert Hoebbing, Philosophy
Quincy College
18th and College
Quincy, IL 62301

Philosophy
Advanced
Undergrad, sci/nonsci/med

547. Bioethics *
S. Greenfield, Religious Studies
Howard S. Grob, Biology
Adelphi University
Garden City, NY 11530

Religious Studies
Advanced
Undergrad

548. Bioethics *
Rev. Thomas W. Hogan
Chaminade College of Honolulu
3140 Waialae Avenue
Honolulu, HI 96816

Religious Studies
Undergrad

549. Bioethics *
Rev. John W. Flavin
College of the Holy Cross
Worcester, MA 01610

Biology
Introductory
Undergrad

550. Bioethics (P)*
V.R. Walker, Philosophy
Creighton University
2500 California Street
Omaha, NE 68178

Philosophy
Advanced
Grad/undergrad

551. Bioethics *
Stanley T. Sutphin
Elizabethtown College
Elizabethtown, PA 17022

Philosophy
Advanced
Undergrad, sci/nonsci

552. Bioethics *
R.T. Francoeur, Biology
Fairleigh Dickinson University
285 Madison Avenue
Madison, NJ 07940

Biology
Introductory
Grad/undergrad, sci/nonsci,
allied health

553. Bioethics *
Jack Hanford, Humanities, Philosophy
Ferris State College
Johnson Hall
Big Rapids, MI 49307

Humanities
Undergrad

554. Bioethics *
Sr. R. Connell, Life Science
Fontbonne College
6800 Wydown
St. Louis, MO 63105

Life Science
Introductory
Undergrad

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*The description of this course appears on page 128 between course numbers 544 and 545.

555. Bioethics *
George A. Kanoti
John Carroll University
University Heights, OH 44118

Religious Studies
Advanced
Undergrad/grad

556. Bioethics *
John C. Wilson, Religion, Philosophy
Lees-McRae College
Banner Elk, NC 28604

Religion, Philosophy, Biology
Introductory
Undergrad, sci/nonsci

557. Bioethics *
W.P. Brown
Marietta College
Marietta, OH 45750

Biology
Advanced
Undergrad, sci/nonsci

558. Bioethics *
Mary Jo Parrish, Philosophy
Janet Cobb, Biology
Mary Washington College
Fredericksburg, VA 22401

Biology, Philosophy
Sophomore
Undergrad, sci

559. Bioethics *
Ronald E. Benson, Philosophy and Religion
Ohio Northern University
Ada, OH 45810

Philosophy
Advanced
Undergrad, sci/nonsci, pre-med, pre-law, pharmacy

560. Bioethics (P) *
Laurence A. Larson, Botany
Ohio University
Athens, OH 45701

Botany
Introductory
Undergrad, nonsci

561. Bioethics *
Donnie J. Self, Philosophy
Thomas Mainor, Philosophy
Old Dominion University
Norfolk, VA 23508

Philosophy
Introductory
Undergrad, sci

562. Bioethics *
H.R. Cameron, Botany
Warren Hovland, Religious Studies
Oregon State University
Corvallis, OR 97331

University
Advanced
Undergrad, sci/nonsci/med

563. Bioethics *
Patricia A. Lorenz, Biology
Penn Valley Community College
3201 Southwest Highway
Kansas City, MO 64111

Biology
Introductory
Undergrad, sci/nonsci

564. Bioethics *
Philbert Hoebbing, Philosophy
Quincy College
1831 College Avenue
Quincy, IL 62301

Philosophy
Advanced
Undergrad, nonsci/nurses

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*The description of this course appears on page 128 between course numbers 544 and 545.

565. Bioethics *
Staff
South Dakota State University
Brookings, SD 57006

Biology
Introductory
Undergrad/grad, sci/nonsci

566. Bioethics *
Marie T. Diamond, Biology
Trinity College
Washington, D.C. 20017

Biology/Philosophy
Introductory/advanced
Grad/undergrad, sci/nonsci

567. Bioethics *
University Studies/Weekend College
Wayne State University
Detroit, MI 48202

Science and Technology
Introductory
Undergrad, nonsci/working adult

568. Bioethics *
R.L. Cunningham, Philosophy
University of San Francisco
San Francisco, CA 94117

Philosophy
Introductory
Undergrad, sci

569. Bioethics *
Peter Y. Windt, Philosophy
University of Utah
Salt Lake City, UT 84112

Philosophy
Introductory
Grad/undergrad, sci/nonsci/law

570. Bioethics *
John A. Freeman, Biology
Winthrop College
Rock Hill, SC 29733

Honors
Advanced

571. Bioethics: Issues in Ethics, Medicine and the Life Sciences *
Joseph A. La Barge, Religion
Bucknell University
Lewisburg, PA 17837

University Course
Introductory
Undergrad, sci/nonsci

572. Bioethics: Moral Issues in the Control of Life and Death *
Daniel R. DeNicola
Rollins College
Winter Park, FL 32789

Philosophy
Introductory, advanced
Undergrad, sci/nonsci

573. Bioethics - Seminar *
Edwin W. House
Idaho State University
Pocatello, ID 83201

Biology
Advanced
Grad

574. Biological Problems: Social and Ethical Implications *
Robert E. Holtz, Biology
Concordia College
St. Paul, MN 55104

Biology/Sociology
Advanced
Undergrad

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*The description of this course appears on page 128 between course numbers 544 and 545.

547A. Biology and Contemporary Ethical Issues *
Biology Staff
Thomas More College
Ft. Mitchell, KY 41017

NSC 249
Introductory
Undergrad

575. Bio-Medical Ethics *
Charles Carr, English, Philosophy and Language
Arkansas State University
State University, AR 72467

Philosophy
Introductory
Undergrad, sci/nonsci

576. Biomedical Ethics *
Ronald Uritus, Philosophy
Barry College
Miami FL 33161

Philosophy/Religious Studies
Advanced
Undergrad, sci/nonsci majors

577. Biomedical Ethics *
Marion Kayhart, Biology
Cedar Crest College
Allentown, PA 18104

Biology
Introductory
Undergrad, sci/nonsci

578. Biomedical Ethics *
Susan Nicholson, Philosophy
Chatham College
Pittsburgh, PA 15232

Philosophy
Introductory
Undergrad

579. Biomedical Ethics *
James E. Abbott, Philosophy
College of Charleston
Charleston, SC 29401

Philosophy
Introductory
Undergrad, sci/nurses

580. Biomedical Ethics (P)*
S.M. Brown, Science, Technology and Society
Cornell University
Ithaca, NY 14853

Biological Science/Philosophy
Introductory
Undergrad, sci/nonsci

581. Bio-Medical Ethics *
D.L. Kimmel, Jr., Biology
Davidson College
Davidson, NC 28036

Biology
Advanced
Undergrad

582. Biomedical Ethics *
Richard L. Trammel, Philosophy
Grove City College
Grove City, PA 16127

Philosophy
Introductory
Undergrad, sci/nonsci

583. Bio-Medical Ethics *
James L. Muyskens, Philosophy
Hunter College
City University of New York
New York, NY 10021

Philosophy
Introductory
Undergrad, med, nursing

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*The description of this course appears on page 128 between course numbers 544 and 545.

584. Biomedical Ethics *
Michael Gorr, Philosophy
Illinois State University
Normal, IL 61761
Philosophy
Introductory
Undergrad

585. Biomedical Ethics *
James A. Todd, Religion
Lake Erie College
Painesville, OH 44077
Religion
Introductory
Undergrad

586. Biomedical Ethics *
Rev. Milton Gonsalves
Loyola Marymount University
Los Angeles, CA 90045
Philosophy
Advanced
Undergrad, sci/nonsci

587. Biomedical Ethics *
Prof. Stalnaker
Division of University Studies
North Carolina State University
Raleigh, NC 27607
University Studies
Introductory
Undergrad, sci/nonsci

588. Biomedical Ethics (P) *
Rolf Ahlers
Russell Sage College
Troy, NY 12180
Philosophy
Introductory
Undergrad, sci/nonsci, med nursing students

589. Biomedical Ethics *
Paul R. Gastonguay, Biology
Stonehill College
North Easton, MA 02356
Biology
Introductory
Undergrad, sci.nonsci

590. Biomedical Ethics *
Donald E. Tarter
University of Arkansas at Little Rock
Little Rock, AR 72204
Philosophy
Advanced
Undergrad

591. Biomedical Ethics *
Steven R. Levy, Philosophy
University of California
Riverside, CA 92502
Philosophy
Introductory
Undergrad, sci/nonsci, pre-med

592. Biomedical Ethics *
Robert W. Blaney, Religious Studies
University of the Pacific
Stockton, CA 95211
ARS 145/245
Advanced
Undergrad/grad, sci/nonsci. pharmacy, pre-dental, music, engineering students

593. Biomedical Ethics *
Richard Warner, Philosophy
University of Pennsylvania
Philadelphia, PA 19104
Philosophy
Introductory
Undergrad, sci

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*The description of this course appears on page 128 between course numbers 544 and 545.

594. Biomedical Ethics *
William A. Parent, Philosophy
Carol J. White, Philosophy
University of Santa Clara
Santa Clara, CA 95053

Philosophy
Introductory
Undergrad

595. Biomedical Ethics *
John J. Buckley, Jr.
University of South Alabama
Mobile, AL 36688

Philosophy
Advanced
Undergrad, sci/nonsci, med, nursing students

596. Biomedical Ethics (P)*
Jonathon Erlen
University of Texas Health Science Center at Dallas
Dallas TX 75235

Biochemistry
Introductory
Undergrad/grad

597. Biomedical Ethics (P)*
Louis W. Hodges
Washington & Lee University
Lexington, VA 24450

Interdepartmental
Introductory
Undergrad

598. Biomedical Ethics *
Gary L. Chamberlain, Religion
Webster College
470 E. Lockwood
Webster Grooves, MO 63119

Religion
Introductory/Advanced
Undergrad

599. Biomedical Ethics *
Robert O. Long, Philosophy
Wittenberg University
Springfield, OH 45501

Philosophy
Introductory
Sci majors, pre med students

600. Bio-Moral Problems *
Joan Lorch and
Robert Rizzo
Canisius College
Buffalo, NY 14208

Biology/Religious Studies
Introductory
Undergrad

601. Bios and Ethos: The Ethics of the Life Sciences *
Harlan Q. Stevenson, Biology
Violette Lindbeck, Philosophy
Southern Connecticut State College
New Haven, CT 06515

Biology/Philosophy
Introductory
Undergrad, sci/nonsci

602. Biotechnology of Health *
Andrew McClary, Natural Science
Michigan State University
East Lansing, MI 48824

Natural Science
Upperclassmen
Undergrad, nonsci

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*The description of this course appears on page 128 between course numbers 544 and 545.

603. Contemporary Medical Ethics *
Joseph J. Romano, Philosophy
Cabrini College
Radnor. PA 19087

Philosophy
Introductory
Undergrad, sci/nonsci

604. Contemporary Science and Human Values *
William J. Mohan, Philosophy
Marywood College
Scranton, PA 18509

Philosophy
Introductory
Undergrad

605. Developments in Biomedicine *
J. Philip Fawley
Kenneth Vaux, Religion
Westminister College
New Wilmington, PA 16142

Biology
Undergrad, sci

606. Ethical and Moral Problems of Biomedicine (P)*
P. Durbin, Philosophy
D.H. Brock, English
A. Clark, Health & Life Science
University of Delaware
Newark, DE 19711

Health and Life Sciences/
Philosophy
Introductory
Undergrad, sci/nonsci, pre-med,
nursing, professional

607. Ethical Dimensions of the New Medical Revolution
William W. May
University of Southern California
Los Angeles, CA 90274

Religion
Introductory
Undergrad

608. Ethical Dimensions of Science and Medicine *
Jerry Dozoretz, Philosophy
University of Denver
Denver, CO 80208

Philosophy
Intermediate
Undergrad, sci/nonsci, law,
med student

608A. Ethical Issues in Biology and Medicine *
Daniel S. May, Biology
Mercer University
Atlanta, GA 30341

Biology
Advanced
Undergrad sci/nonsci majors

609. Ethical Issues in Biology and Medicine *
Religious Studies
Oklahoma State University
Stillwater, OK 74074

Philosophy/Religion
Advanced
Undergrad sci/nonsci

610. Ethical Issues in Biomedical Research and Health Care Delivery *
Robert Martinez, Biology
Benjamin Page, Philosophy
Quinnipiac College
Hamden, CT 06518

Biology/Philosophy
Intermediate
Undergrad sci/nonsci

611. Ethical Issues in the Life Sciences *
Alyce Vrolyk, Philosophy
California State University
Northridge, CA 91330

Humanities
Introductory
Undergrad sci/nonsci

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*The description of this course appears on page 128 between course numbers 544 and 545.

612. Ethical Issues in the Life Sciences *
Doris C. Volkert, Biology
Monmouth College
West Long Branch, NJ 07764

Biology
Introductory
Undergrad, nonsci

613. Ethical Issues Raised by Biomedical Technology (P)*
Daniel Wikler, Philosophy
Norman Fost, M.D.
University of Wisconsin
Madison, WI 53706

Philosophy/History
Introductory
Undergrad

614. Ethical Problems in Health Care *
John Troyer, Philosophy
Len Krimerman, Philosophy
University of Connecticut
Storrs, CT 06268

Philosophy
Introductory
Undergrad

615. Ethics and Biomedical Technology *
J. La Barge
H. Magalhaes
Bucknell University
Lewisburg, PA 17837

University course
Introductory
Undergrad

616. Ethics and Biomedicine (P)*
Carol Tauer, and
Tom Beauchamp, Philosophy
Georgetown University
Washington, D.C. 20057

Introductory
Grad/undergrad, sci, nonsci, nursing, premed majors

617. Ethics and the Health Sciences *
Lillian U. Pancheri, Philosophy
Auburn University
Auburn, AL 36830

Philosophy
Intermediate
Undergrad, sci, law, pre-med, pre-dent, pharmacy, nursing

618. Ethics and the Health Sciences *
Phil Staff and
William C. Fish
Oakland University
Rochester, MI 48063

Philosophy
Undergrad, largely prenursing

619. Ethics and the Health Sciences *
Christopher Holliday, Philosophy
Oakland University
Rochester, MI 48063

Philosophy
Intermediate
Undergrad, nursing

620. Ethics and the Life Sciences *
David W. Twole, Biology
University of Richmond
Richmond, VA 23173

Colloquium
Introductory
Undergrad, sci/nonsci

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*The description of this course appears on page 128 between course numbers 544 and 545.

621. Ethics and Medicine *
Robert Esbjornson
Gustavus Adolphus College
St. Peter, MN 56082

Religion
Advanced
Undergrad

622. Ethics and Personal Crises *
William C. Fish
Oakland University
Rochester, MI 48063

Human Resources Development
Introductory
Undergrad, nonsci

623. Ethics for Nurses *
Victor B. Brezik, Philosophy
University of St. Thomas
Houston, TX 77006

Philosophy
Introductory
Undergrad, nurses, and pre-med majors

624. Ethics in Psychiatry and Medicine *
Carl Luty, Religion and Philosophy
Hood College
Frederick, MD 21701

Philosophy
Introductory
Undergrad

625. Ethics of Health Care *
John Holden, et al
University of Illinois at Chicago Circle
Chicago, IL 60680

Contemporary Courses
Introductory
Undergrad

626. Ethics of Living and Dying *
Jacques P. Thiroux, Philosophy
Bakersfield College
Bakersfield, CA 93305

Philosophy
Introductory
Undergrad, nursing, health care fields

627. Health and Biomedical Ethics *
Frank Williams, Philosophy
Eastern Kentucky University
Richmond, KY 40475

Philosophy
Advanced
Undergrad, nursing

628. Human Biology and Bioethics *
Patricia A. Sullivan
Wells College
Aurora, NY 13026

Biology
Introductory
Undergrad, nonsci majors

629. Independent Studies in Biomedical Ethics (P)*
Jonathon Erlen
University of Texas Health Science Center at Dallas
Dallas, TX 75[illegible]

Biochemistry
Advanced
Grad/undergrad, med.

630. Introductory Ethics *
Albert Nephew, Philosophy
College of St. Scholastica
Duluth, MN 55811

Philosophy
Introductory
Undergrad

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*The description of this course appears on page 128 between course numbers 544 and 545.

631. Life and Death and Medicine *
Arlan Edgar, Biology
Alma College
Alma, MI 48801

Biology
Advanced
Undergrad, sci

632. Life, Death and Human Experimentation (P)*
Philip E. Devine, and
Robert M. Anderson
Department of Philosophy
Rensselaer Polytechnic Institute
Troy, NY 12181

Philosophy
Introductory
Undergrad, sci/nonsci majors

633. Man, Medicine, and Morals *
Allen Verhey, Religion
Hope College
Holland, MI 49423

Interdisciplinary Studies
Introductory
Undergrad, sci.nonsci

634. Man Versus Science *
Michael A. Kolitsky, Biological Science
California Lutheran College
Thousand Oaks, CA 91360

Biological Science
Introductory
Undergrad

635. Medical Ethics *
Michael Dentry, Philosophy
Aquinas College
Grand Rapids, MI 49506

Philosophy
Introductory
Undergrad, sci, philosophy majors

636. Medical Ethics *
Michael Morden, Philosophy
Beloit College
Beloit, WI 53511

Interdepartmental
Introductory
Undergrad, sci/nonsci

637. Medical Ethics *
Richard Brook
Bloomsburg State College
Bloomsburg, PA 17815

Philosophy
Introductory
Undergrad

638. Medical Ethics *
Sharon Hill and
Donald Burrill
California State University
Los Angeles, CA 90032

Philosophy
Introductory/advanced
Undergrad/grad, sci/nonsci majors

639. Medical Ethics *
Janet I. Pisaneschi, Humanities
Christian Brothers College
Memphis, TN 38104

Philosophy/Humanities
Advanced
Undergrad, sci/nonsci

640. Medical Ethics *
S. Mary Anthony Wagner
College of St. Benedict
St. Joseph, MN 56374
and
St. John's University
Collegeville, MN 56321

Theology
Advanced
Undergrad

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*The description of this course appears on page 128 between course numbers 544 and 545.

641. Medical Ethics *
Rev. Joseph C. Frisch
College of St. Teresa
Winona, MN 55987
Philosophy
Introductory
Undergrad

642. Medical Ethics *
Robert Sitelman
Kean College of New Jersey
Union, NJ 07083
Philosophy
Introductory
Undergrad, new course for continuing education

643. Medical Ethics *
P. Muntzel and J. Doyle
King's College
Wilkes-Barre, PA 18702
Theology
Introductory
Undergrad, sci/nonsci

644. Medical Ethics *
Kenneth Kipnis, Philosophy
Lake Forest College
Lake Forest, IL 60045
Philosophy
Introductory
Undergrad

645. Medical Ethics--Seminar *
E. James Kennedy, Biology
Noreen Kessell, Nursing
North Park College
Chicago, IL 60625
Biology
Advanced
Undergrad, nonsci majors, med, adult education students

646. Medical Ethics *
College of Arts and Sciences
Northwestern University
Evanston, IL 60201
Philosophy
Introductory
Undergrad

647. Medical Ethics *
Rev. John P. Kenny
Providence College
Providence, RI 02918
Philosophy
Advanced
Undergrad

648. Medical Ethics *
Katherine Stabile, Social Science
Queensborough Community College
Bayside, NY 11364
Social Science
Introductory
Undergrad, nursing, med technology students

649. Medical Ethics *
T.S. Derr, Religion
Smith College
Northampton, MA 01060
Religion
Advanced
Undergrad, sci/nonsci, pre med

650. Medical Ethics *
Linda Trompetter, Philosophy
Southeast Missouri State University
Cape Girardeau, MO 63701
Philosophy
Introductory
Undergrad, nursing

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*The description of this course appears on page 128 between course numbers 544 and 545.

651. Medical Ethics *
Anthony Preus
State University of New York
Binghamton, NY 13901

Philosophy
Introductory
Undergrad, nonsci/sci, law, med

652. Medical Ethics (P)*
Marvin Kohl, Philosophy
SUNY College at Fredonia
Fredonia, NY 14063

Philosophy
Advanced
Undergrad, sci/nonsci, med

653. Medical Ethics *
Edwin Falteisek
Trinity College
Burlington, VT 05401

Religious Studies
Advanced
Undergrad, sci

654. Medical Ethics *
J. Brooke Hamilton, and
Jonnie Washington
Tuskegee Institute
Tuskegee Institute, AL 36088

Philosophy
Introductory
Undergrad, sci/nonsci, pre-veterinary students, med personnel at local VA hospital

655. Medical Ethics *
John A. Moore
University of California
Riverside, CA 92502

Biology
Advanced
Undergrad, sci

656. Medical Ethics *
Lawrence P. Ulrich
Department of Philosophy
University of Dayton
Dayton, OH 45464

Philosophy
Introductory
Grad/undergrad, sci/nonsci, med, predental students

657. Medical Ethics (P)*
Paul Durbin, Philosophy/Health Science
University of Delaware
Newark, DE 19711

Philosophy/Health Science
Advanced
Undergrad/grad, sci/nonsci, premed, nursing majors

658. Medical Ethics *
Gerald Dworkin, Philosophy
University of Illinois
Chicago, IL 60680

Philosophy
Introductory
Grad/undergrad

659. Medical Ethics *
Donald Marquis, Philosophy
University of Kansas
Lawrence, KS 66045

Philosophy
Introductory
Undergrad, sci

660. Medical Ethics *
Thompson M. Faller, Philosophy
University of Portland
Portland, OR 97203

Philosophy
Advanced
Undergrad, med, nursing majors

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*The description of this course appears on page 128 between course numbers 544 and 545.

661. Medical Ethics (P) *
Robert Redmon, Philosophy and Religious Studies
Virginia Commonwealth University
Richmond, VA 23284
Philosophy
Introductory
Grad/undergrad, pre-health sci majors

662. Medical Ethics *
Russell Jacobs, Philosophy
Washburn University
Topeka, KS 66621
Philosophy
Introductory/advanced
Undergrad sci/nonsci, nursing majors

663. Medical Ethics *
Donald J. Horsh, Health Care Administration
Washington University School of Medicine
660 South Euclid
St. Louis, MO 63110
Health Care Administration
Advanced
Grad

664. Medical Ethics *
John McDonald
Weber State College
Ogden, UT 84408
College faculty
Undergrad, med students, nonsci majors

665. Medical Ethics *
Mr. Flanagan, Philosophy
Wellesley College
Wellesley, MA 02181
Philosophy
Intermediate
Undergrad, sci/nonsci

666. Medical Ethics *
Rosalind Ekman Ladd, Philosophy
Wheaton College
Norton, MA 02766
Philosophy
Introductory
Undergrad

667. Medical Ethics *
Gerald H. Paske, Philosophy
Wichita State University
Wichita, KS 67208
Philosophy
Introductory
Undergrad, pre-med, nursing, med technology majors

668. Medical Ethics *
G.K. Wuori, Philosophy
Wilkes College
Wilkes Barre, PA 18703
Philosophy
Advanced
Undergrad, sci/nonsci, med

669. Medical Ethics Seminar *
Rev. Paul V. Redmond, Philosophy
Mount Saint Mary's College
Emmitsburg, MD 21727
Philosophy
Advanced
Undergrad, sci/nonsci

670. Medical-Moral Problems *
Sr. Miriam Therese Larkin
Mount Saint Mary's College
Los Angeles, Ca 90049
Philosophy
Advanced
Undergrad, sci/nonsci majors

671. Medicine and Ethics *
K. Danner Clouser and Arthur Zucker, Medicine
Milton S. Hershey Medical Center
Pennsylvania State University
Hershey, PA 17033
Humanities
Medical School
Med students

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*The description of this course appears on page 128 between course numbers 544 and 545.

672. Medicine, Ethics, and Society *
Prof. Hodson and Prof. Soble
Department of Philosophy
University of Texas
Austin, TX 78712

Philosophy
Advanced
Undergrad, pre-med

673. Moral Problems in Medical Care *
Kirk Monfort, Philosophy
California State University
Chico, CA 95926

Philosophy
Introductory
Undergrad

674. Moral Problems in Medicine (P) *
Prof. Iseminger, Philosophy
Prof. Shoger, Biology
Prof. Sullivan, Sociology
Carleton College
Northfield, MN

Program in Science, Ethics and Public Policy
Intermediate
Undergrad

675. Moral Problems in Medicine *
Goucher College
Towson, MD 21204

Philosophy
Intermediate
Undergrad

676. Moral Problems in Medicine *
Lawrence C. Becker, Philosophy
Hollins College
Hollins College, VA 24020

Philosophy/Religion
Undergrad, sci/nonsci

677. Moral Problems in Medicine *
Richard Sherlock
Northeastern University
Boston, MA 02115

Philosophy and Religion
Introductory
Undergrad

678. Moral Problems in Medicine *
Robert Trevas
Department of Philosophy
Ohio University
Athens, OH 45701

Philosophy
Introductory
Undergrad

679. Moral Problems in Medicine *
Robert L. Schwager, Philosophy
State University of New York
Cortland, NY 13045

Philosophy/Health
Graduate level
Grad

680. Morals and Medicine *
David W. Benfield, Philosophy and Religion
Montclair State College
Upper Montclair, NJ 07043

Philosophy and religion
Introductory
Undergrad

680A. Morals and Medicine *
Mark Chekola, Philosophy
Moorhead State University
Moorhead, MN 56560

Philosophy
Introductory
Undergrad

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*The description of this course appears on page 128 between course numbers 544 and 545.

681. Patients, Heredity, and Society: Whose Rights, Whose Responsibilities? *
Arthur Gee, Biology
Paul Menzel, Philosophy
Carolyn Schultz, Nursing
Pacific Lutheran University
Tacoma, WA 98446

Biology/Nursing/Philosophy
Introductory
Undergrad, nursing, premed

682. Philosophical Issues in Health Care *
Theodore Scharle, Philosophy
Bradley University
Peoria, IL 61625

Philosophy
Advanced
Undergrad, pre-med, nursing students

683. Philosophical Issues in Medical Ethics *
M.P. Golding and G. Roberts
Department of Philosophy
Duke University
Durham, NC 27706

Philosophy
Advanced
Undergrad, sci/nonsci

684. Philosophical Issues in Medical Ethics *
A. Donald VanDeVeer, Philosophy
North Carolina State University
Raleigh, NC 27607

Philosophy
Introductory
Undergrad

685. Philosophical Problems in Medicine *
William E. Mann and Richard Hinam
Department of Philosophy
University of Vermont
Burlington, VT 05401

Philosophy
Undergrad

686. Philosophical Problems in Medicine and Health Care *
Eunice Belgum, Philosophy
College of William and Mary
Willamsburg, VA 23185

Philosophy
Intermediate
Liberal arts and pre-med

687. Philosophy of Medicine *
Gary M. Atkinson, Philosophy
William Woods College
Filton, MO 65251

Philosophy
Introductory
Undergrad, sci

688. Problems in Biomedical Ethics *
E. Clinton Gardner, Theology
Emory University
Atlanta, GA 30322

Religion (RS)
Introductory
Theology students and some others

689. Problems in Medical and Biomedical Ethics *
J. Wesley Robb, Religion
Theodore K[illegible]e, Medicine
University of Southern California
Los Angeles, [illegible] 90007

Religion
Senior, pre-meds
Undergrad

690. Problems in Medical Ethics *
Department of Philosophy
Iona College
New Rochelle, NY 10801

Philosophy
Advanced
Undergrad

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*The description of this course appears on page 128 between course numbers 544 and 545.

691. Problems in Medical Ethics *
Paul Menzel, Philosophy
Pacific Lutheran University
Tacoma, WA 98447

Philosophy
Intermediate
Undergrad, nursing, premed

692. Readings in Philosophy: Medical Ethics *
Theodore Scharle, Philosophy
Bradley University
Peoria, IL 61625

Philosophy
Grad/undergrad

693. Religious and Philosophical Issues in Medical Ethics (P)*
Charles H. Reynolds, Religious Studies;
Glenn C. Graber and Rem B. Edwards, Philosophy
University of Tennessee
Knoxville, TN 37916

Religious Studies/Philosophy
Introductory
Undergrad, sci/nonsci, nursing pre-med, predental, other health professionals

694. Seminar Coordinating *
S. Cecilia Agnes Mulrennan
Regis College
Weston, MA 02193

Biology
Advanced
Grad

695. Seminar in Bioethics *
William W. May and
J. Wesley Robb
University of Southern California
Los Angeles, CA 90274

Religion
Advanced
Grad

696. Seminar on Bioethics *
Dorothy Burnham, Science
Empire State College
New York, NY 10010

Introductory
Undergrad, sci/nonsci

697. Senior Integrative Seminar: Bioethics *
Dean Kenyon, Biology
Rev. Lorenz Schultz (campus pastor)
San Francisco State University
San Francisco, CA 94132

Biology
Advanced
Undergrad/grad, sci/nonsci

698. Social and Ethical Values in Medicine *
Richard T. Hull, and
Peter H. Hare
State University of New York at Buffalo
Amherst, NY 14260

Philosophy
Introductory
Undergrad

699. Social Implications of Modern Biology and Medicine *
Sherry L. Volk, Biology
Dominican College
San Rafael, CA 94901

Biology
Introductory
Undergrad, sci/nonsci, med students

700. Society, Biology and Ethics *
Robert Baker, Philosophy
Union College
Schenectady, NY 12308

Comp. Ed.
Advanced
Undergrad

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*The description of this course appears on page 128 between course numbers 544 and 545.

701. Special Studies: Morality and Patient Care *
Instructors from Religious Studies and Nursing Departments
Mount Marty College
Yankton, SD 57078
Religious Studies/Philosophy
Advanced
Undergrad, health sci majors

702. Special Topics: Bioethics *
Walter W. Kanzler, Biology
Wagner College
Staten Island, NY 10301
Biology
Introductory
Undergrad, sci/nonsci

703. Studies in Medical Ethics *
Daniel E. Lee, Religion
Augustana College
Rock Island, IL 61201
Religion
Advanced
Undergrad,sci

704. Theoretical Issues in Medical Ethics I (P) *
Glenn C. Graber, Philosophy
Charles H. Reynolds, Religous Studies
University of Tennessee
Knoxville, TN 27916
Philosophy/Religious Studies
Advanced
Grad/undergrad

705. Theoretical Issues in Medical Ethics II (P) *
L.B. Cebik, Philosophy
University of Tennessee
Knoxville, TN 37916
Philosophy/Religious Studies
Advanced
Grad/undergrad

706. Topics in Medical Ethics (P) *
Charles H. Reynolds, Religious Studies
L.B. Cebik, Philosophy
Glenn C. Graber, Philosophy
University of Tennessee
Knoxville, TN 37916
Philosophy
Advanced
Grad

707. Tutorial and Reading in Medical Ethics *
Larry Churchill, Family Medicine
School of Medicine
University of North Carolina
Chapel Hill, NC 27514
Community Medicine
Advanced
Grad, law and med

708. Who Shall Live? Who Shall Die? *
William Hasker, Philosophy
Huntington College
Huntington, IN 46750
Philosophy
Introductory
Undergrad

Bioethics in Research

709. Behavior Control
Paul W. Holmes, Psychology
College of Charleston
Charleston, SC 29401
Psychology
Advanced
Undergrad

A study of the application of the principles of operant and respondent conditioning to the control of human behavior, both normal and disordered, including a consideration of the moral and social implications of the behavior control technologies.

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*The description of this course appears on page 128 between course numbers 544 and 545.

710. Bioethics and Biology and Future of Man

Weldon Witters
Ohio University
Athens, OH 45701

Zoology
Advanced
Sci/nonsci

Z-384: Study human experimentation; reproduction, death, health care, aging and behavioral modification with ethical implications. Z-390: Study of drug use, sexuality, future of man.

711. Biological and Ethical Aspects of Control of Reproduction (P)

James Gustafson, Divinity School
University of Chicago
Chicago, IL 60637

Biological Science
Advanced
Undergrad/grad, sci/nonsci, law, med.

Presentation of basic biological knowledge now available and currently being pursued on facilitation and suppression of human reproduction, selective or non-selective with regard to genotype. Discussion of social and ethical issues involved in utilization of this knowledge, and exercise in moral analysis of technological capabilities and practice.

712. Biological and Social Dimensions of Human Reproduction

Helen B. Hiscoe, Natural Science
Michigan State University
East Lansing, MI 48824

Natural Sciences
Advanced
Undergrad, nonsci

Discussion of the anatomy and physiology of human reproduction is integrated with consideration of such current social concerns as contraception, abortion, venereal disease ability to control reproduction by technological means.

712A. Biological Discovery and the Common Good

Donald S. Dean, Biology
Baldwin-Wallace College
Berea, Ohio 44017

Education
Grad nonmajor
Grad students

Examination of social and ethical implications of discovery in biology. Recombinant DNA was used as case study by instructor. Students presented papers on relevant issues, mostly related to genetics. Biology background was provided by lectures and reading.

713. Ethical Issues in Human Experimentation (P)

LeRoy Walters
Georgetown University
37th and O Streets, N.W.
Washington, D.C. 20057

Advanced
Undergrad/grad

The seminar was divided into four main sections: 1) an introduction to th topic, which included a discussion of definitions and major codes of ethics; 2) an examination of general ethical issues in research involving human subjects, e.g. risk-benefit analysis, informed consent, 3) a discussion of research involving specific subject groups, e.g. prisoners, 4) and analysis of mechanisms for the social control of human research.

714. Ethical Issues in the Life Sciences

Richard O'Neil, Philosophy
Emory and Henry College
Emory, VA 24327

Philosophy
Advanced
Undergrad

Survey of the social and ethical implications of current advances in biomedical and psychological research and technology.

715. Ethics and Policies of Behavioral Research
E.L. Pattullo
Harvard University
Cambridge, MA 02138

P and SR
Advanced
Undergrad/grad

Read and discuss current literature on ethical problems of research involving humans.

716. Ethics of Modifying Man
Craig W. Ellison, Psychology
Stewart Ensign, Biology
George Blankenbaker, Theology
Westmont College
Santa Barbara, CA 93108

Introductory
Undergrad

Advances in bio-psychology related to the ability to modify human beings. Ethical and value implications of these technologies as assessed from an evangelical Christian theological framework. Cloning, gene transfer, drugs, ESB, psychosurgery, mass media, and conditioning technologies.

717. Experimental Social Psychology
Jerome Tognoli, Psychology
C.W. Post College
Greenvale, NY 11548

Psychology
Advanced
Undergrad, sci

Students develop and carry out their own research based upon an ethical consideration utilizing a principle of "informed consent." Prior research in the field is constantly evaluated in terms of this principle and its applied value.

718. Experimentation, Ethics, and the Law
A. Plamondon
Loyola University
New Orleans, LA 70118

Philosophy
Advanced
Undergrad

An investigation of experimentation in science dealing with human subjects. The experimentation is considered in three modes: 1) description of the research, 2) ethical issues raised by the research and/or its application, 3) legislative policy and judicial decisions relevant to the research.

719. Genetic Engineering and Future of the Human Species
Sr. Shaffer, Chemistry
University of San Diego
San Diego, CA 92110

Science
Introductory
Undergrad, sci/nonsci majors

Geared to cover molecular genetics, protein biosynthesis and their relationship. Genetic mutations and consequences in genetic disease, genetic counseling and engineering and the ethical and theological and political problems projected for future solution.

720. Genetic Explosion and its Moral Implications
Rev. Julian Davies, Philosophy
Siena College
Loudonville, NY 12211

Philosophy
Advanced
Undergrad

An interdisciplinary course which presents the present state of genetic knowledge and moral issues raised by present and future eugenic proposals, and source and meaning of ethics which ought to govern all human solutions.

721. Genetic Manipulation of Man (P)
Joseph B. Harris, Biology,
John Zawadsky, Philosophy, and
Robert Cassidy, Religious Studies
University of Wisconsin
Stevens Point, WI 54481

Biology/Philosophy/Religious Studies/Humanities
Advanced
Undergrad/grad, sci/nonsci

Scientific advances in genetics and the ethical, social, legal and medical implications of these.

722. Genetics and Human Affairs
William H. Stone, Genetics
University of Wisconsin
Madison, WI 53706

Genetics/Zoology/Botany
Introductory
Undergrad, nonsci

The current advances in genetics and life science and their social, ethical, and economic implications for human welfare. The objective of the course is to provide sufficient knowledge for intelligent and critical evaluation of issues arising out of recent discoveries in genetics and their technologic applications.

723. Genetics and Society
Karen F. Kato, Biology
Bard College
Annandale-on-Hudson, NY 12504

Natural Science
Introductory
Undergrad

Ethical issues generated by increasing capability for manipulating genes in cells and populations. Nonmajors course which will attempt to establish basic understanding of classical and molecular genetics in context of social problems and issues.

724. Heredity and Society
Richard A. Spieler, Biology
California State University
Fresno, CA 93740

Biology
Advanced
Undergrad

Principles of genetics and evolution as they apply to human society, thought, experience and affairs. Ethical, social, political and medical problems in relation to genetic engineering and other techniques.

725. Human Genetics: Science and Society
William H. Hexter,
Amherst College
Amherst, MA 01002

Biology
Undergrad, nonsci

Objectives are 1) to introduce to the facts and techniques of the genetics of man including cytogenetics, inborn errors of metabolism, population genetics, mutation, and selection; 2) to use this information as the basis of a discussion of science and society including the ethics of genetic engineering the responsibility of a scientist for his discoveries, and the relationship of science and scientists to social problems. Some topics covered: public policy, genetic engineering and abortion.

726. Molecules, Cells and Man
Larry W. Cohen, Zoology
Pomona College
Claremont, CA 91711

Zoology
Introductory
Undergrad, nonsci

This course attempts to expose the non-science major to the most current concepts in molecular biology and the ethical questions raised by such experimentation. We also consider aspects of human biology in fair amount of detail.

727. Moral Dilemmas in Biomedicine
Philip W. Ott, Philosophy
Karen J. Ott, Biology
University of Evansville
Evansville, IN 47702

Interdepartmental
Introductory
Undergrad, sci/nonsci, pre-med, nurse, med technology, pre-theology, psychology students

Advances in biomedical research demonstrate our technological capabilities for shaping a new man, a new world. Such possibilities raise difficult questions which call for cross-discipline consideration. This course is designed to afford a context for conversations between science and humanities on some of the critical issues posed by biomedical technology.

728. Moral Implications of Modern Genetics
Mary C. O'Toole, Chemistry
Regina M. Collins, Biology
Briar Cliff College
Sioux City, IA 52001

Chemistry/Biology
Introductory
Undergrad, sci/nonsci, med.

Some topics discussed: Ethics of genetic control, biomedical ethics.

729. Political and Social Implications of Current Approaches to Psychological Treatment
Stephen A. Karp, Psychology
George Washington University
Washington, D.C. 20052

Psychology
Advanced
Undergrad/grad

Combines reading and discussion of varying ideas about mental health institutions, treatments and theories with regard to their social, rather than medical-therapeutic, impact on people and groups.

730. Research in Genetics and the Common Good
Thomas C. VanOsdall
Baldwin-Wallace College
Berea, OH 44017

Biology
Undergrad

Examination of social and ethical implications of discovery in biology. Recombinant DNA was used as case study by instructor. Students presented papers on relevant issues, mostly related to genetics. Biology background was provided by lectures and reading.

731. Research Strategies
Milton O. Meux, Educational Psychology
University of Utah
Salt Lake City, UT 84112

Educational Psychology
Advanced
Grad

A conceptualization of research strategies in psychology, including 1) a rational approach to the resolution of value conflicts faced by the researcher, especially methodological vs. ethical humane values; and 2) activities for clarifying and evaluating the values presupposed by a research strategy and for modifying such values in the direction of greater axiological adequacy.

732. Science, Man and Society
Bruce Stewart, et al
Michigan State University
East Lansing, MI 48823

Natural Science
Introductory
Undergrad

Origin and structure of fundamental theories associated with the cell, sex, reproduction and heredity, built up in that sequence. Social problems and ethical issues raised by the current biological revolution, in the area of control of reproduction, death, genetic engineering, creation of life.

733. Seminar Bioethics
Philip E. Ode
Theil College
Greenville, PA 12125

Biology
Advanced
Undergrad

Ethical implications of the conduct of biological science and its findings.

734. Seminar: Christian Ethics and Fetal Research
Frank D. Maguire, Religious Studies
Salve Regina College
Newport, RI 02840

Religious Studies
Advanced
Undergrad, sci

An intensive study of the medical, legal, public policy and Christian ethical dimensions associated with experimentation on the human fetus. Particular emphasis is placed on the American experience.

735. Seminar in Bioethics
Carl E. Krekeler, Biology
Valparaiso University
Valparaiso, IN 46383

Biology
Advanced
Undergrad, sci

After an introduction by the instructor pointing out how ethical issues can be approached, students present and discuss papers focusing on the ethical issues which arise in a variety of areas of biological work.

736. Seminar in Medical Ethics: Experimentation
E. Clinton Gardner, Religion
Emory University
Atlanta, GA 30322

Ethical Studies
Graduate Seminar
Grad

Analysis of ethical issues in experimentation with human subjects.

737. Special Topics in Bio-Ethics-Biology Seminar
Mary Jo Parrish, Biology
Mary Washington College
Fredericksburg, VA 22401

Biology
Advanced
Undergrad, sci

1 credit course for biology majors. Students give presentation on topic of choice and also give a rebuttal of another presentation. Presents scientific background and ethical problems involved.

738. Technology and Human Values (P)
Nancy Sell
University of Wisconsin
Green Bay, WI 54302

Freshman University Seminar
Introductory
Undergrad

Includes recent developments in biology and medicine, e.g. genetic engineering, behavior modifications, etc., exploring ends, values standards of technology. The format provides an excellent way for exploring the ends, values, and standards associated with such technology.

739. Values in Medical Research and Practice
Diana Axelsen, Philosophy
Spelman College
Atlanta, GA 30314

Philosophy
Advanced
Sci/nonsci, pre-med and philosophy majors

Deals with ethical implications of medical research and practice with emphasis on issues of particular importance to Black community.

Bioethics for Health Professions

740. Advanced Seminar in Medical Ethics (P)
Richard Barber, Philosophy
Virginia Keeney, M.D.
University of Louisville School of Medicine
Louisville, KY 40201

Interdisciplinary
Advanced
Med students

Course is designed for more intensive examination of major ethical theories and their applications to medical practice.

741. Advanced Topics in Medical Ethics (P)
Rem B. Edwards, Philosophy
University of Tennessee
Knoxville, TN 37916

Philosophy
Advanced
Grad

Intensive study of selected topics in Medical Ethics. Students will provide primary direction for the study, drawing from their clinical experience, their having approached the topics from the perspective of several disciplines, and their own continuing research.

742. Behavior, Law and Ethics (P)
University of Iowa
College of Medicine
Iowa City, IA 52242

Introductory
Medical students

Examines death and dying, the physician variable, the patient variable, informed consent, and medical jurisprudence.

743. Bioethics Workshop (P)
Albert E. Jonsen
Michael L. Garland
Health Policy Program
University of California
San Francisco, CA 94143

Ambulatory and Community Medicine
Introductory
Medical students, pharmacy and nursing students

Lecture and workshop discussion of several health care situations in the light of their ethical and public policy dimensions: cases used which deal with a variety of current issues, e.g. genetic screening/counseling; care of endangered and defective newborns, confidentiality.

744. Biomedical Ethics
Kenneth Vaux
Baylor College of Medicine
Houston, TX 77030

Community Medicine
Introductory
Medical students

This is a seminar designed to expand the ethical awareness and understanding of the physician. Guest speakers and case conferences will be used to search out the genesis and dynamics of pertinent clinical situations and the implications for decisions within, in, and beyond the formal patient-physician context. Seminars will deal with areas where law, medicine, and religion interface, including such topics as abortion, organ transplantation, euthanasia, and ethical issues in human investigations.

745. Body/Mind: Medicine and Ethics
Jane Koenen, Philosophy
Nazareth College of Rochester
Rochester, NY 14610

Philosophy
Introductory
Undergrad, sci/nonsci, nurses

Major contemporary ethical theories with their implications for total human health; social responsibility; legal complexities; ecological involvements.

746. Chronically Ill Patient (P)
D.C. Duncombe
Yale Law School
New Haven, CT 06520

Internal Medicine
Law School

Joint seminar for medical, law, nursing, public health, and divinity students on the chronically ill and their families. Discussions on the ethical and legal problems that arise in the medical management of patients, with emphasis upon understanding the emotional and psychic dynamics of serious illness. Presentations of selected patients and their families.

747. Clinical Practicum in Medical Ethics (P)
David C. Thomasma, Janet I. Pisaneshi, and James R. Shaw
Human Values and Ethics
University of Tennessee
Knoxville, TN 37916

Philosophy
Advanced
Grad

Extended observation of health care procedures in a wide range of settings, including surgery, psychiatry, cancer care (adult and pediatric), intensive care (adult, pediatric and perinatal), family practice, internal medicine, pediatrics, social work, outpatient clinics, nurse clinicians and nurse practitioners. (In cooperation with Program on Human Values and Ethics, UT Center for the Health Science, Memphis.)

748. Contemporary Issues in Health Care Delivery
Nursing
Mount Marty College
Yankton, SD 57078

Nursing
Intermediate
Undergrad

The discussion of issues, trends, and careers related to the nursing profession; how they evolved and are influenced by contemporary society.

749. Death, Dying and Moral Problems in Medicine
David Mumford, M.D
Dean S. Skelly, M.D.
Baylor College of Medicine
Houston, TX 77030

Obstetrics and Gynecology
Introductory
Medical students

Current knowledge and folklore about death and dying will be discussed. In particular, the psychosocial dynamics of death and dying as patient, family, social unit, and attending personnel will be discussed. Ethical problems relating to abortions, human transplatation, death, chronic illiness, congential defects, etc. will be reviewed.

750. Dying, Death and Grief
E.A. Vastyan, Humanities
W.W. Willard, Family Medicine
Theodore Kantner, Family Medicine
Milton S. Hershey Medical Center
Hershey, PA 17033

Humanities
Medical School
Medical students

Aspects of clinical care for dying patients are examined in an intensive seminar exploring literature, medical journals, audiovisual resources and patient assignments.

751. Ethical Aspects in Care of the Dying Patient (P)
Virginia Keeney, M.D., Community Medicine
University of Louisville School of Medicine
Louisville, KY 40201

Interdisciplinary
Advanced
Medical students

Following preparation by reading, lectures, audio-tapes and discussions, students are assigned to patients in a veriety of stages and kinds of terminal illiness, There is close support and supervision by faculty and staff. Students share their experiences in weekly sessions.

752. Ethical Issues in Biomedicine (P)
Russell McIntyre, Health Care Humanities
New Jersey Medical School
Newark, NJ 07103

Primary Health Care Education
Introductory
Medical students

Systematic analysis of ethical, social and legal issues which emerge in the practice of medicine, the provision of health care, and the research done on human subjects.

753. Ethical Issues in Health Care
Dr. M. Aroskar
School of Nursing
State University of New York
Buffalo, NY 14214

Nursing
Advanced
Grad

This multidisciplinary course examines and evaluates ethical doctrines, basic ethical and philosophical issues as a framework for 1) understanding contemporary areas of ethical controversy in health care; and 2) to raise the student's level of sensitivity to ethical dilemmas in patient care.

754. Ethical Issues in Patient Care (P)
Robert J. Gerraughty, Pharmacy, et al
Creighton University
Omaha, NE 68178

Pharmacy
Grad

Students observe and then participate in patient interviews, learn to listen and relate empathically with patients as whole persons (with physical, psychological, religious dimensions), identify and begin to resolve ethical as well as medical issues in later discussions.

755. Ethics for Health Professionals (P)
William A. Overholt, Health Resources Management
University of Illinois at the Medical Center
Chicago, IL 60680

Humanities
Introductory
Undergrad/grad, law, med,

Define major ethical systems and relate them to the health professions. Theory and process of ethics applies to critical bioethical issues.

756. Human Development
Sally Y. Long and Stanley Kaplan
Department of Anatomy
Medical College of Wisconsin
Milwaukee, WI 53233

Anatomy
Advanced
Medical students/grad

A medical school course with three major components: 1) Human Embryology, 2) Teratology, and 3) Human Genetics. All three components include ethical and value considerations.

757. Human Values and Health Care
Joe Tupin, Psychiatry
University of California
Davis, CA 95616

Psychiatry
Introductory
Medical students

Discussion of medical-human dilemmas and various factors, interests in decision-making.

758. Human Values in Medicine (P)
Virginia Keeney, M.D.
Richard Barber, Philosophy
Frederick Austin, M.D.
University of Louisville School of Medicine
Louisville, KY 40201

Interdisciplinary
Advanced
Medical students

This course offers opportunities to discuss medical ethical issues, exploring first the bases of ethical decision-making and then relating to specific, practical situations in care of patients.

759. Human Values in Medicine Seminars
John G. Mayne, M.D.
Joseph M. Kiely, M.D.
Mayo Medical School
Rochester, MN 55901

Medical School
Medical students

An optional non-credit course using group discussion format. Clinical cases exemplifying a medical ethical decision choice is presented and discussed by a clinician. Ethical aspects are discussed by a professor of philosophy, theologian, lawyer, or other expert. The clinician explains his decision and its rationale. The decision choice is subject to discussion.

760. Issues in Bioethics (P)
J. Daniel Burke et al
University of Michigan Medical School
Ann Arbor, MI 48109

University course
Advanced
Undergrad/grad, sci/nonsci, law, nursing, public health

An introduction to theories of ethical analysis, moral development, and value perception, and the application of these to problems in bioethical issue areas taken through the life cycle--i.e., birth, life, death.

761. Life and Death Issues in Health Care: The Ethical Perspective
Francis Kane
Salisbury State College
Salisbury, MD 21801

Philosophy
Intermediate
Undergrad, sci majors, nurses

Ethical aspects of life and death, physician-patient relation, experimentation and consent, eugenics. Emphasis is on establishing an ethical framework to deal with these problems.

762. Medical Attitude, Human Values and Patient Care
Dr. James Bryan, Medicine
Larry Churchill, Medical Studies
University of North Carolina
Chapel Hill, NC 27514

Community Medicine
Introductory
Grad, med

Exploration of ethical problems in medicine; written texts and student experience are emphasized.

763. Medical Ethics
Paul Bassen, Joaquin Zuniga and Elizabeth Wolgast
California State University
Hayward, CA 94542

Philosophy
Undergrad, nursing majors

For nursing majors. Medical ethics with focus on field-work. Deals with death and treatment of dying, telling the truth, suicide,abortion, euthanasia, patients rights and responsibilities, striking.

764. Medical Ethics
Leonard J. Weber, Religious Studies
Mercy College of Detroit
Detroit, MI 48219

Religious Studies
Introductory
Undergrad, sci, nursing, allied health majors

The course is designed to familiarize the student with the major questions raised and stands taken regarding the morality of certain medical practices and policies. The course seeks to aid the student in understanding the significance of medical issues in relationship to the needs and values of society.

765. Medical Ethics
W. Bowlyne Fisher
Shelby State Community College
Memphis, TN 38104

Division of Allied Health
Introductory
Undergrad, allied health

An introductory course designed to acquaint students with ethical dilemmas faced in allied health professions and to gain expertise in making ethical decisions that are consistent with their values.

766. Medical Ethics
Charles B. Moore, M.D. et al
Tulane University School of Medicine
New Orleans, LA 70112

Department of Medicine
Introductory
Medical

Introductory course to basic processes of ethical decision-making. Subjects chosen by students, who prepare one-hour presentations, followed by one hour of discussion.

767. Medical Ethics (P)
Donald Pachuta, Medicine
University of Maryland School of Medicine
Baltimore, MD 21201

Interdepartmental
Introductory
Medical students

Course utilizes clinicians as a panel to discuss before the sophomore class problems such as doctor-patient relationship, death and dying.

768. Medical Ethics Elective
Felix E. Wassermann, Microbiology
New York Medical School
Valhalla, NY 10595

Introductory
Medical

Elective discussion and lecture course for beginning medical students. Purpose is to aid them in developing a set of values in chosen career and awaken interest in common problems which have moral and ethical dimensions and choices.

769. Medical Jurisprudence (P)
Dr. Roy Spece, College of Law
University of Arizona
Tucson, AZ 85724

Social Perspectives in Medicine
Introductory
Med students

Six-week elective for senior medical students covering medical-legal/ethical/moral issues of practice of medicine including academic medicine.

770. Moral and Ethical Issues in Nursing

Mary Castles, Nursing
M. Gottdauk
College of Nursing
Wayne State University
Detroit, MI 48202

Nursing
Advanced
Grad

Exploration of the relationships among the societal mandate to benefit the social collectivity; the assumptions, beliefs and value systems underlying the development and utilization of theories in nursing; and systems of nursing practice.

771. Moral Issues for Pharmacists (P)

James J. Quinn, Theology
School of Pharmacy
Creighton University
Omaha, NE 68178

Pharmacy
Introductory
Undergrad, pharmacy majors

These 15 lectures, given to freshmen and senior students, treat today's moral problems peculiar to pharmacists. These lectures are given in block form: 10 for the freshmen and 5 for the seniors.

772. Moral Issues in Medicine (P)

James J. Quinn, Theology
School of Medicine
Creighton University
Omaha, NE 68178

Behavioral Sciences/Preventive Medicine
Professional Med students
Medical students

This 16-hour course, spread over 2 years, treats a number of moral issues peculiar to the physician. The series offers practical means for facing these problems. These lectures are given in 3 different courses at times when the medical student is studying the medical aspects of the issues.

773. Moral Issues in Medicine (P)

Greg Pence, Philosophy/Medicine
Kirk Avent, Medicine
University of Alabama--Birmingham
Birmingham, AL 35294

Introduction to Clinical Medicine
Introductory
Medical students

Topics covered: death,dying aging; euthanasia; medical ethics; genetic engineering; behavior control-psychosurgery and drug therapy; conflicting roles of the modern physician and their moral problems.

774. Orientation and Professional Ethics

Barbara L. Pickary
Hudson Valley Community College
Troy, NY 12180

Biology-Medical Laboratory
Introductory
Undergrad, med lab students

Ethical issues in today's health professions (medical) are discussed and researched i.e., human experimentation, abortion, euthanasia, death and dying, social ethics, confidentially in medical professions, medical team professional relationships, and legal aspects.

775. Philosophy of Medicine

Robert W. Daly, M.D., Psychiatry
Upstate Medical Center
Syracuse, NY 13210

Psychiatry
Introductory
Medical students

Texts for study in a seminar are selected from such areas as the language of medicine, the philosophy of the biomedical sciences, the philosophy of persons and the moral problem of medicine. Through discussions, study, library research, writing, and a relationship with a tutor, the student is afforded an opportunity to integrate and deepen his humanistic knowledge of his activities as a healer.

776. The Physician as a Consultant on Sex (P)
Glenn R. Pratt, Allied Health
Medical College of Virginia
Richmond, VA 23298

School of Medicine
Medical School
Medical

Working with various faculty participants we move through a consideration of human sexuality as such to an evaluation of the physician's part in resolving difficulties and leading his or her patients onward to richer more satisfying lives. We make a broad and hopefully fair presentation of the various ethical and moral positions held in our society so as to make clear their meaning for the physician.

777. Primary Care Concepts
John Fryer, M.D. Psychiatry
Temple University School of Medicine
Philadelphia, PA 19140

Psychiatry
Introductory
Medical students

This course is primarily oriented towards the presentation of human growth and development as observed in primary care settings. Within this context it discusses many medical-ethical decisions which a physician must face--the malformed child, death, prolongation, of life, sanctity of records.

778. Problems in Medical Ethics
Arthur White, Philosophy
Thiel College
Greenville, PA 16125

Introductory
Undergrad, sci/nonsci, pre-med, allied health

Course goals: analyze ethical decision-making, understand impact of changes in technology on traditional moral patterns, deal with specific ethical problems in medicine. Specific problems covered included medical economics, allocation of scarce resources, death and organ transplants, and abortion/euthanasia.

779. Social and Moral Issues for Dentists (P)
James J. Quinn, Theology
Creighton University
Omaha, NE 68178

Community Dentistry/Jurisprudence
Advanced
Grad, med, law, pharmacy, dentistry, et al

These 12 lectures given to the 1st and 4th year students treat today's moral problems peculiar to dentists. These lectures are given weekly in the 2nd semester to the freshmen, in block, in the senior year, also the 2nd semester.

780. Value Analysis of Nursing Problems
Barbara Carper, College of Nursing
Texas Women's University
Denton, TX 76204

Nursing
Grad, nursing students

Study of ethics, morality and value as applied to phenomena in health care; inquiry into the effects of value preferences and commitments on the development of practice and theory in nursing; ethical problems and moral dilemmas which affect health care delivery and nursing practice.

Bioethics and Religion

781. Abortion and Euthanasia
James Childs, Theology
Valparaiso University
Valparaiso, IN 46383

Theology
Advanced
Undergrad, pre-med, nursing

A study of the issues of abortion and euthanasia from the perspective of Christian Ethics. Also looks at the legal, social, medical and personal dimensions of these issues.

782. Bioethics
Sr. Claudine Axman
Barry Rigney
Kansas Newman College
Wichita, KS 67213

Biology/Theology
Introductory
Undergrad, sci/nonsci

Course is designed to help the student establish an ethic based on biological facts and Christian values; investigate crucial problems from the perspectives of biology and moral theology; and encourage involvement in bioethical issues in life.

783. Christian Ethics
Douglas Fox
S.K. Williams
The Colorado College
Colorado Springs. CO 80903

Religion
Introductory
Undergrad

A discussion of the sources and methods of ethical discussion in a Christian context, focussing upon problems of health care, and medical experimentation.

784. Christian Ethics
Jack W. Provonsha, M.D.
Loma Linda University
Loma Linda, CA 92354

Religion
Introductory
Mainly medical students

Primarily a course dealing with bioethical issues from the perspective of Christian belief.

785. Christian Ethics and Current Biomedical Issues
Frank D. Maguire, Religious Studies
Salve Regina College
Newport, RI 02840

Religious Studies
Advanced
Undergrad sci/nonsci, nursing

To examine the major current, biomedical issues (abortion, euthanasia, organ transplants, human experimentation, genetic engineering and sterilization and artificial insemination) in the light of Christian ethical principles.

786. Christian Reponse to Medico-Moral Problems
Rev. Thomas P. McGourty, Religious Studies
Niagara University
Niagara University,NY 14109

Religious Studies
Introductory
Nursing, pre-med, prelaw

A study of current medical and biological procedures from the viewpoint of Christian ethics. An examination of contemporary moral and legal problems as right to health care, truth and information in medicine, eugenic engineering, artificial insemination, compulsory sterilization, abortion, behavior control, human experimentation, right to die.

787. Death, Dying and Euthanasia in Christian Perspective
Frank D. Maguire, Religious Studies
Salve Regina College
Newport, RI 02840

Religious Studies
Advanced
Undergrad sci/nonsci, nurses

An in-depth study of the contemporary American experience of death, dying and euthanasia from a variety of dimensions: medical, legal, psychological, social and ethical. Particular emphasis will be placed on the Christian ethical perspective.

787A. Embryology and Ethics
Jane Oppenheimer, History of Science
Bryn Mawr College
Bryn Mawr, PA 19010

History and Philosophy of Science
Grad seminar
Grad students

Examination mainly of classical and medieval theological sources (in English translation) to ascertain (1) early ideas on embryonic ensoulment and (2) laws if any concerning abortion from same sources.

788. Ethical Issues in the Health Sciences
A.H. Limper, Theology
Elmhurst College
Elmhurst, IL 60126

Theology and Religion
Advanced
Undergrad, some nurses

Theology offers a distribution requirement in which the student comes to grip with Biblical faith in some way. We looked at ethics from a Biblical perspective and then at issues in the Health Sciences today--including the Biblical and other perspectives.

789. Ethics and the Life Sciences
Rev. Athanasius Cherry, Religious Studies
St. Vincent College
Latrobe, PA 15650

Religious Studies
Introductory
Undergrad

A study of the ethical problems in medicine and biology application of current medical practices, theology and philosophy in making moral decisions about bio-medical areas.

790. Health Care and the Morals Game
Donald R. Imming, Religion/Philosophy
Mount Marty College
Yankton, SD 57078

Religion and Philosophy
Undergrad, sci majors

A study of various issues with ethical importance arising in the health care area, e.g. abortion, euthanasia, and genetic engineering. Each issue is viewed from three different theological viewpoints--those of Joesph Fletcher, Paul Ramsey, and Charles Curran.

791. Honors Seminar--Bioethics
C.B. Hamann, Biology et al
Asbury College
Wilmore, KY 40390

General Studies
Advanced
Undergrad

Open discussion on relationship of Christian ethics as they relate to the Bioethics, as advocated by Potter in his book Bioethics.

792. Internship/Seminar in Health Professions (P)
Sara Miles
Wheaton College
Wheaton, IL 60187

Science
Introductory
Undergrad, pre-health professions

Sociological, economic, political, and ethical problems facing health professionals, and some Christian responses. Designed for students with a definite interest in one of the health professions, this course provides opportunity to observe the field first-hand for a short time, and to study the scope of health care in the U.S.

793. Medical Ethics
Paul McClanahan, Religion
James DeYoung, Speech
Monmouth College
Monmouth, IL 61462

Introductory
Undergrad

Some issues discussed: the dilemmas of euthanasia, technology and humanity, care of the dying, ethical implications of genetics.

794. Medicine, Human Values and Religion
Hans O. Tiefel, Religion
College of William and Mary
Williamsburg, VA 23185

Religion
Introductory
Undergrad

The study of moral and religious problems arising in such biomedical issues as abortion, human experimentation, euthanasia, genetic engineering, organ transplants, and behavior control.

795. Moral Issues in Life and Health (P)
James J. Quinn, Theology
Creighton University
Omaha, NE 68178

Theology
Advanced
Undergrad/grad, sci/nonsci

The New Testament is the source for establishing principles and insights which help solve moral problems involved in the decision-making of a number of current medical cases.

796. Moral Theology: Issues of Life and Death
Joseph Kroger, Religious Studies
St. Michael's College
Winooski, VT 05404

Religious Studies
Advanced
Undergrad

A consideration of selected topics in the field of contemporary bioethics, this course focuses on four specific problem areas in medical ethics: Human Experimentation, Eugenics and Genetic Engineering, Abortion, and Euthanasia. The religious and moral aspects of these problems are explored with an emphasis upon the Christian moral perspective.

797. Seminar on Bioethics: Religious and Humanistic Ethics (P)
Richard A. McCormick, Sid Leiman and
Leroy Walters
Georgetown University
Washington, D.C. 20057

Advanced
Grad

The course examines the ethical methodologies of four traditions of Western ethics: the Jewish, Catholic, Protestant, and humanistic traditions. It then observes how each tradition approaches a series of specific bioethical problems, e.g. truth-telling, abortion, organ donation, resource allocation, suicide, and euthanasia.

798. Theological Reflection on Health Care (P)
James E. Hoff, Theology
Creighton University
Omaha, NE 68178

Theology
Introductory
Grad/undergrad

Students become aware of ethical and religious issues in patient care, equip themselves to begin resolving these issues reflectively, and better understand man as a whole person (with bodily, interpersonal, and psycho-social dimensions).

799. Theology and Bioethics (Seminar)
Richard A. Hoehn
Texas Christian University
Ft. Worth, TX 76129

Church in Society
Grad

Issues in bioethical policy, such as population growth, genetic manipulation, and life health policy.

4. INDUSTRY, COMMERCE, AND SOCIETY

4.01. Industry, Business and Society

800. Adminstrative Ethics (P)
David Palmer, Philosophy
State University College
Fredonia, NY 14063

Philosophy
Intro, advanced
Undergrad, sci, nonsci, administrative science majors

Ethical problems which typically arise in administrative or managerial contexts in both the private and public sectors. The nature of ethical theories, their implications for decision-making and specific administrative concerns will be examined.

801. Business and Society
Justin G. Longenecker, Management and Quantitative Analysis
Hankamer School of Business
Baylor University
Waco, TX 76706

Management
Junior Senior
Grad/undergrad, nonsci, business majors

An examination of business and its interrelationships with the physical, social, and cultural aspects of society. The use of text, readings, and cases to explore business ideology, ethics, operational consequences, and responsibilities within a changing uncertain environment.

802. Business and Society
Donald N. Horning, Sociology
Saint Mary's College
Notre Dame, IN 46556

Business and Economics
Advanced
Undergrad, nonsci

Drawing upon the disciplines of sociology and economics, the Business and Society course focuses upon the interface between the technological changes generated by business and the social impact of those changes. Special attention is given to cross cultural analysis and the response of other societies as they have addressed the issues.

803. Business and Society
Marian S. McNulty
Seton Hall University
South Orange, NJ 07079

Industrial Relations
Advanced
Grad/undergrad, law

Critical evaluation of the role of business in American society, its influences on and responsibility for meeting the challenges of changing social problems. Insights into the role of the executive.

804. Business and Society
James O'Toole, Business
John Crossley, Religion
University of Southern California
Los Angeles, CA 90007

Management/religion
Advanced
Undergrad/grad

Basic aim is to examine the concept of responsibility and apply the results to certain major facets of business enterprise such as product quality and safety, advertising, environmental protection, and income distribution. Underlying assumption is that irresponsibility in business is as much a product of lack of thoughtful analysis as of "bad will," and that thoughtful analysis can be taught.

805. Business Ethics

Rev. Matthew Morry
Department of Philosophy
Providence College
Providence, RI 02918

Philosophy
Advanced
Undergrad

The application of ethical principles to the practical problems of the business world.

806. Business Ethics

Russell Jacobs, Philosophy
Washburn University
Topeka, KS 66621

Philosophy
Introductory
Undergrad, business students

The student is introduced to various rational decision-making procedures and to their application to moral problems and problem areas in business and commerce.

807. Business, Technology and Society

Ronald Warloski
Department of History
University of Wisconsin
Eau Claire, WI 54701

History
Introductory
Undergrad

The impact and interaction of technology and science on modern western society via the media of business organizations.

808. Christian Ethics and American Business

Frank D. Maguire, Religious Studies
Salve Regina College
Newport, RI 02840

Religious Studies
Introductory
Undergrad, sci, nonsci, bus majors

The Christian ethical dimensions of the major areas of concern related to the current world of American business.

809. Contemporary Problems of Science and Society

Joseph Shapiro, Physics
Fordham University
Bronx, NY 10458

Physics
Introductory
Grad/undergrad, nonsci

Emphasis is on the relationship of technology to the productive process. Discusses effects of division of labor, energy, environmental effects.

810. The Corporation and Society

Charles, F. Phillips
Lewis Hodges and
E. Rimbrough, et al
Washington and Lee University
Lexington, VA 24450

Economics
Advanced
Undergrad

An examination of the influence of the large corporation on our society in themes of economic, ethical, legal, political and sociologic values. Topics will include the impact of bigness, the social responsibility concept and the efficacy of the competitive model for controlling corporate decision-making.

811. Cultural Value Systems and Business Management

Peter A. Fraile, Organization of Human Behavior
University of Detroit
Detroit, MI 48221

Organization of Human Behavior
Advanced
Grad, business

The course is designed to provide the students with a theoretical and experimental basis for developing an understanding of the interdependence between cultural value systems and management practices, and to broaden the students' exposure to these critical interrelationships.

812. Ethics and Business

James Brummer
University of Wisconsin
Eau Claire, WI 54701

Philosophy
General studies
Undergrad, business majors

An examination of the values and conduct of modern corporations. Attention given to the development of a philosophy of society concerning the relation of economic units to political and social units. Attempt to articulate a theory of value relative to corporate conduct. Specific topics include: Power and Values of Modern Corporations; the Theory and Practice of Countervailing Power; the Investigation and Assessment of the Theories of Corporate Egoism and the Game Ethic; and, the Development of Technology and Its Impact on Corporate Values.

813. Ethics and Human Values of Industry (P)

Ione Gautereaux and
Evelyn Ferguson
Fort Wright College
W. 4000 Randolph Road
Spokane, WA 99204

Environmental Biology
Advanced
Undergrad/grad, sci, nonsci

Emphasis on ethics and moral values of industry in relation to environment, community, people, various industries, such as agribusiness and transportation.

814. Issues in Public Administration

Ben Hourani
Department of Political Science
Eastern Michigan University
Ypsilanti, MI 48197

Political Science
Introductory/advanced
Grad/undergrad, nonsci

Deals with bureaucracy as a social technology and addresses ethical dilemmas in a complex, interdependent world.

815. Man, Nature, and Industry in America (P)

C.L. Sanford, American Studies, Humanities
Rensselaer Polytechnic Institute
Troy, NY 12181

Literature and Communication
Advanced
Grad

Designed to supply the social, philosophical and historical surroundings in which things come to have existence, this course explores certain large themes: American organic philosophy, the rise of industrial consciousness, and values in conflict.

816. Management and Social Responsibility

Mariam McNulty, Management and Industrial Responsibility
Seton Hall University
South Orange, NJ 07079

Industrial Responsibility
Grad, law

An examination of the interrelationships between the business sector and other societal institutions with the view of clarifying to whom and for what the corporation is responsible.

817. Management's Environmental Responsibilities

Robert Waters
University of Missouri
Rolla, MO 65401

Engineering Management
Advanced
Undergrad/grad

A systems approach to the study of management's responsibilities to society arising from operating extraction, manufacturing, and transportation/logistics systems.

818. Philosophy of Administration

Terry L. Cooper, Ted Thomas and
Wesley Bjur
Public Administration
University of Southern California
Los Angeles, CA 90007

Public Administration
Advanced
Undergrad/grad

Emphasis on ethical issues related to the administrative role, including the value implications of various approaches to organization and management.

819. Organizational Ethics

Bonnie Tracy, Philosophy
College of Arts and Science
Eastern Kentucky University
Richmond, KY 40475

Philosophy
Advanced
Grad/undergrad

A discussion and application of ethical principles to different procedures and practices of business organizations, including those in scientific or technical fields Topics covered will include: the formulation of a general code of conduct for various organizations; loyalties and responsibilities of superiors and subordinates; personal versus organizational objectives; an extensive case analysis procedure.

820. Problems in Contemporary Business Behavior

A.W. Green
West Chester State College
West Chester, PA 19380

Business Administration
Advanced
Undergrad

An independent analysis of ethical problems in business-illegal or immoral orders of superiors; exorbitant pricing; deceptive trade practices; false labeling; misleading advertising; harassment of business critics; Ralph Nader; knowing underpayment of taxes; favoritism to customers; abuse of expense accounts; fidelity to company stockholders.

821. Role of Business in Contemporary American Society

Economics Department
Iona College
New Rochelle, NY 10801

Economics
Advanced
Undergrad

The course is designed to examine critically contemporary political, social and economic issues and philosophies that have a profound and lasting effect on business policies, goals and strategies, forcing business to change their outlook and attitude toward the public and to follow closely attitudes and actions of national leaders, government agencies and civic groups. The issue of "social costs" permeated the entire course.

822. Social and Economic Contexts of Technology (P)

Charles K. Hyde, et al
Monteith College
Wayne State University
5165 Second Avenue
Detroit, MI 48202

Monteith Social Humanistic Studies
Introductory
Engineering Study

An examination of the development and diffusion of new technology within the contexts of a market system and of a bureaucratic-planning system, with a detailed examination of the impact of a single technology (in this case the automobile) on American society and culture.

823. Social Environment of Business

William Strang and Neil Ford
University of Wisconsin
Madison, WI 53706

Business
Advanced
Grad

Using cases and readings, students explore the interface of business institutions and the social environment.

824. Social Responsibility and the Business World

Daniel E. Lee, Religion
Augustana College
Rock Island, IL 61201

Religion
Advanced
Undergrad, nonsci, business and accounting majors

Examination of questions of social responsibility pertaining to the business world and of the relevance of Christian ethical ideals for these questions.

825. Technology and Work (P)

Nate Rosenberg, Economics
Stanford University
Stanford, CA 94305

Values, Technology and Society
Undergrad

Seminar on the relationship between changing technologies and the changing nature of work in modern industrial societies; the role of the worker and the altered nature of the work experience as a result of the impact of new production technologies.

826. Values in Contemporary Organizations

Mary Beth Peters, Administration and Management
Chatham College
Woodland Road
Pittsburgh, PA 15232

Administration and Management
Advanced
Undergrad

The course aids students in identifying value systems, their personal values and those of organizations. They examine different organizations to discover the fit between stated values and the behaviors to external world and to internal environment. They study methods for promoting congruency.

827. Work and Alienation (P)

Bernard Gendron, Philosophy
University of Wisconsin
Milwaukee, WI 53201

Philosophy
Advanced
Undergrad

History of alienation within the working class; the economic and political correlatives. Prospects for the future; postindustrial technology, worker control, expanding leisure, automation. The impact of these on conditions of work and the extent of alienation.

4.02 Computers/Microelectronics

828. Computers and Modern Society
Computer Science
University of Southwestern Louisiana
Lafayette, LA 70501

Computer Science
Advanced
Undergrad

The impact of computers on society.

829. Computers and Modern Society
David A. Nuesse
University of Wisconsin
Park and Garfield
Eau Claire, WI 54701

Computer Science
Introductory
Undergrad/sci, nonsci

Study of computers and their impact through examination of typical applications, with concern for the power, use and misuse of computers, morals, and ethics of systems and control.

830. Computers and Society
Jerry Dillion
James Kho
Art Critchlow
California State University
6000 J Street
Sacramento, CA 95819

Computer Science
Introductory
Undergrad/grad, sci/nonsci
all majors

Impact of computers on society: complications of personal privacy due to the computer, computer regimentation and power. Survey of areas of use of computers.

831. Computers and Society
C. Terrence Ireland, Statistics
Philip Wirtz, Social Research Group
George Washington University
Washington, D.C. 20006

Experimental Humanities
Introductory
Undergrad, nonsci

Introduction to computers, computer program writing, artificial intelligence, applications of computers in society, privacy issues, and historical perspective.

832. Computers and Society
Victor Helton, Computer Science
Herbert Morris, Computer Science
Bradley University
1501 W. Bradley Avenue
Peoria, IL 61625

Computer Science
Advanced
Undergrad, sci, nonsci, majors

Course concerned with the past and projected impact of the computer on society. With regard to the future emphasis is placed on the necessity for consideration of human rights and needs in all computer applications. Instruction involves team teaching and the use of guest lecturers.

833. Computers and Society

Theodore A. Norman and Bill R. Hays
Computer Science
Brigham Young University
Provo, Utah 84602

Computer Science
Advanced
Undergrad/grad, sci/nonsci majors

Reading, writing and class discussion of the impact of technology on human values and society. The computer is used as a prime example of a technological innovation with great impact.

834. Computers and Society

Robert Treadwell, Philosophy
Kim Mummé, Chemical Engineering
University of Maine
Orono, ME 04473

Computer Science
Introductory
Grad/undergrad

Consideration of the human and social consequences of the technological development and application of computers as viewed from the standpoints of the computer customer, the computer specialist, and the public.

835. Computers: Appreciation, Applications, Implications (P)

William Daugherty, Accounting;
Doug Haden, J. Mack Adams,
Don Dearholt and Rob Babb
Department of Computer Science
New Mexico State University
University Park, NM 88003

Computer Science
Introductory
Undergrad/grad, sci, nonsci

The evolution of computers, their applications, and their past, current, and potential impact on society. Non-technical emphasis, but with an introduction to programming.

836. Computers, Cybernetics and Society

Prof. Patz, Electrical Engineering
College of Engineering
Florida Technological University
Orlando, FL 32816

Engineering
Advanced
Undergrad

The effects of computers and the cybernetic revolution on the individual and society. Effects of positive and negative feedback on biological, technological and social systems. Computers and their interactions with human system.

837. Human Side of Computing

Michael I. Atkins
School of Computer Science
Rochester Institute of Technology
Rochester, NY 14623

ICSS
Advanced
Undergrad, computer science

Group discussions and investigations into the various social, ethical and moral implications of the various aspects of computers within society.

838. Legal and Social Aspects of Computing

John F. Dalphin
State University of New York College
Potsdam, NY 13676

Computer Science
Advanced
Undergrad, sci, computer sci majors

Seminar course investigating influence of computer revolution on society (and vice versa): Automation, data banks, information explosion and information security, moneyless economy, numeralization and individual depersonalization, privacy. Contemporary and historical topics will be discussed in light of their relationship to computers: Education, energy, health services, aerospace.

839. Man and Computers

Stephen Weiss, Computer Science
University of North Carolina
New West Building, 035-A
Chapel Hill, NC 27514

Computer Science
Undergrad

Cultural, social, and economic effect of computers. Value judgments related to computers. Use of computers to model humans and human systems.

840. Man and the Computer Age

E.C. Hoffman, Computer Science
J.B. Reidy and E. Oster
Los Angeles Pierce College
6201 Winnetka Avenue
Woodland Hills, CA 91364

Computer Science
Introductory
Undergrad/grad, sci, nonsci

Presents a perspective of our society as affected by technological change and by computers. Discussions include historical development, structure and function, and applications of computers. Studies social ramifications of computers as they impact our social institutions, careers, and quality of life.

841. Perspectives on Computers and Society

Prof. Whitby and Prof. Lambert
Institute of Technology
University of Minnesota
207 Church Street, S.E.
Minneapolis, MN 55455

Computer Science
Introductory
Undergrad, sci, nonsci

The impact of computers on society. Partnership or confrontation. History of development. Potential for use. Computer utility. Privacy in a computer society. Future of computers. The ultimate machine. Computers in business, industry, art, music, the home.

842. Social and Legal Implications of Computers

Computer Science Department
University of Southwestern Louisiana
Lafayette, LA 70501

Computer Science
Advanced
Grad/undergrad

Social and legal implications of computers.

843. Social Consequences of Computing

Thomas J. Houser, Computer Science
Millersville State College
Millersville, PA 17551

Computer Science
Advanced
Undergrad, computer sci majors

The computer has excited the public imagination and has generated both great fears and great hopes. It has become a symbol for all that is evil in modern society. This course gives a succinct picture of the historical development of the computer and examines some of the fundamental problems being raised by the irresistible computerization of society. It attempts to show future practitioners of the arts and sciences of computing how to avoid creating systems which result in adverse social consequences.

844. Social Context of Computing (P)

Rob Kling, Information and Computer Science
University of California
Irvine, CA 02717

Information and Computer Science
Advanced
Grad

Computer Technology as computer use; the political arenas of conflict over computing; the social world of computing; computer impact on settings of use.

845. Social Implications of Computers (P)

Doug Haden, et al
Department of Computer Science
New Mexico State University
University Park, NM 88003

Computer Science
Advanced
Undergrad/grad, sci, nonsci

Privacy, security of information, work and leisure, professionalism and licensing, legal safeguards, economic implications.

846. Social Implications of Computing

Norman Sondak and
James Perry
Worcester Polytechnic Institute
Worcester, MA 01609

Computer Science
Advanced
Undergrad/grad

A review of the social implications of computers and computer based systems designed for the computer scientist. Course studies computer uses in history, language, literature, poetry, music, art and, also, other new applications to the humanities. The course considers not only the influence of computers on the humanities but also the role of the humanities in influencing computer technology and applications.

847. Social Issues and Impacts on Computing (P)

Rob KTing
Department of Information Computer Science
University of California
Irvine, CA 92717

Information and Computer Science
Introductory
Grad/undergrad

The social settings of computer use; the impacts of computing on the work and decision-making of users; computing as a source of conflict, institutional influences on computer use. The roles of computer specialists.

848. Social Issues in Computing

Richard G. Hetherington
Walter Sedelon
University of Kansas
Lawrence, KS 66045

Computer Science
Introductory
Undergrad/grad, sci, nonsci, from all areas

Course is designed to expose student to a broad spectrum of issues of public concern which arise from use of computers. Discussion is focused on the source of the problems and the possible resolutions. Students research one topic in depth and give presentation.

849. Societal Issues and Electrical Engineering

James L. Marstall, Electrical Engineering
Villanova University
Villanova, PA 19085

Electrical Engineering
Introductory
Undergrad

Historical emergence of electrical engineering from its 19th century roots; major areas of social impact of electrical technology; current issues concerning this impact with especial attention to computers.

4.03. Media/Communications

850. Advertising and the Electronic Media

Saundra McMillan, Radio-Television
California State University, Long Beach
1250 Bellflower Boulevard
Long Beach, CA 90840

Radio-Television
Advanced
Undergrad

Theory, role, regulation and procedures of advertising in the electronic media. Study of legal, ethical, commerical and creative principles which the student demonstrates knowledge of by designing advertising strategy, campaigns and scripts.

851. Communication Media, Intellectual Freedom, and Libraries

David K. Berninghausen, Library Science
University of Minnesota
Minneapolis, MN 55455

Library School
Advanced
Grad

Scholars, journalists, and librarians, recognizing the necessity for working in the condition called "intellectual freedom," have developed policies and procedures to preserve such freedom. These policies provide the content of the course, and they are studied for their value to man in perceiving his world and interacting with it effectively.

852. Information: The Communications Revolution in Contemporary Society (P)

William R. Kincheloe, Electrical Engineering
Stanford University
Stanford, CA 94305

Values, Technology, Society
Undergrad level

The nature of the communications revolution and its impact on technological society, present and future. Fundamental concepts of communications and information theory; education (the future of books, libraries, teaching, etc.), politics, urban problems, human values (privacy, etc.); cable TV; society as an interactive organism; communications and ecology; communications and the nature of consciousness.

853. Law of Broadcasting

W. Ray Mufield
Department of Journalism and Radio/Television
Murray Stat University
Murray, KY 42071

Radio/Television
Advanced
Grad

Moral, ethical, social and legal control of broadcast technology; forces that mold public for broadcasting and new media such as Cable Television.

854. Seminar in Rhetoric and Public Address: Free Speech and Ethics in Community

Richard L. Johannesen
Northern Illinois University
DeKalb, IL 60115

Speech Communication
Grad school
Grad

Provides information and insights on varied potential perspectives for making ethical judgments about human communication to sensitize participants in communication to the inherency and complexity of ethical issues in communication, and to encourage individual development of personally workable approaches to assessing communication ethics. To survey cases, arguments, and problems concerning dimensions of free speech.

5. PUBLIC POLICY MAKING

5.01. Science/Technology and Public Policy

855. Bioethics and Public Policy: Workshop I (P)
James Childress, et al
Institute of Society, Ethics, and Life Sciences
Hastings-on Hudson, NY 10706

Institute of Social, Ethics, and Life Processes
Faculty and professional
College faculty, med, and law faculty, clergy

This workshop will survey current issues in medical and biological ethics, with a particular emphasis on the public policy implications. The workshop will examine ethical issues underlying national health policy, federal funding of abortions, informed consent, genetics, and other topics.

856. Ethical Issues in Social Change and Public Policy
Thomas E. McCollough, Religion
Duke University
Durham, NC 27706

Religion
Advanced
Undergrad

American moral tradition and factors in social change in the normative analysis of public policy, with a consideration of specific ethical issues.

857. Ethics and Public Policy
Howard Sohn, Religion
Mount Holyoke College
South Hadley, MA 01075

Religion
Introductory
Undergrad

Focus on ethics in the public sphere, moral aspects of international, national, and institutional policy. Concerned with evidence, in policies and formulation, of values with theological or religious roots.

858. Ethics and Social Policy
Bernard J. Diggs, and
James D. Wallace, Philosophy
University of Illinois
Urbana, IL 61801

Philosophy
Introductory
Grad/undergrad

An examination of the moral aspects of social problems, and a survey of ethical principles formulated to validate social policy.

859. Ethics, Politics and the Energy Crisis
R.B. James, Religion
Andrew Rebeson, Nuclear Energy
University of Richmond
Richmond, VA 23173

Religion
Introductory
Undergrad

The ethics of politics with respect to supplying (and deciding about) energy needs of our civilization. Economic possibilities, technological options, social equity and religious underpinnings. Sanctions and constraints under which governmental figures operate or ought to. Focus on situation and legislature in Virginia. Instructor is religion professor and member of legislature.

860. History and Politics of Man, Technology and Environment
Samuel P. Hayes, History
University of Pittsburgh
Pittsburgh, PA 15260
History
Advanced
Undergrad

Focus on conflicts in values, and political alternatives in various political settings--legislative, administrative, judicial and planning. Special emphasis on scientific and technological alternatives as major political choices, and the transition from conservation in early 20th-century to recent environmental movement.

861. History of the Development of the Atomic Bomb
Thomas L. Hankins, History
University of Washington
Seattle, WA 98195
History
Introductory
Undergrad

History of the atomic bomb from the beginning of nuclear physics to the security hearing of J. Robert Oppenheimer. The course discusses the scientific achievements, the moral misgivings of those involved, and the political decisions that were made.

862. The Idea of Progress (P)
Bernard Gendron
University of Wisconsin
Milwaukee, WI 53201
Philosophy
Advanced
Undergrad

An attempt to come to terms intellectually with the questions of whether the lot of humanity improves with the course of history. The subsidiary methodological objective of the course is to enable students to learn to grapple rationally with social issues which are too global to be settled scientifically but which for policy reasons, must be resolved in some way.

863. Introduction to Environmental Planning
Dudley Burton, Environmental Studies
University of California
Santa Cruz, CA 95060
Environmental studies
Introductory
Undergrad

Introduction to ethical and scientific dimensions of public planning. Consideration to technical impulses in planning and critique based upon political and humanistic ideas.

864. Man and Nature in Public Policy
R.S. French
George Washington University
Washington, D.C. 20052
Philosophy
Advanced
Grad/Undergrad

Examination of relationship of philosophical conceptions of man and nature to national policies of growth and development in selected periods of American history. Pending Federal land use legislation used as case study.

865. Normative Policy Analysis
Irving J. Spitzberg, Jr.
Joseph Ellicott Complex
State University of New York
Buffalo, NY 14261
Political Studies
Introductory
Grad/undergrad

Normative Policy Analysis is an exercise designed to introduce students with policy interests to the application of analytical political philosophy to the understanding of value issues and policy decisions.

866. Philosophy and Public Affairs
Lawrence R. Ashley, and
Robert L. Schwager, Philosophy
State University of New York
Cortland, NY 13045

Philosophy
Graduate
Grad

Use of philosophical techniques in consideration of public affairs. Sample topics include abortion, war, racial discrimination, privacy, civil disobedience.

867. Politics of Change (P)
Joseph Haberer, Political Science
Purdue University
West Lafayette, IN 47907

Political Science
Introductory

Introductory, modular, team taught--modules include, "Technology and the Future," "Science Fiction and Political Change," "Work, Leisure and Politics," and others.

868. Power, Public Policy and Technology
Daniel Pound, Political Science
Department of Political Science
University of Alabama at Tuscaloosa
University, AL 35486

Political Science
Advanced
Undergrad/grad

This is a course which analyzes changing power relationships in post-industrial society along with changes in our concepts. These changes are related to the public policy realm as we calculate flux in the near future.

869. Public Policy, Administration and Political Theory
Brewster C. Denny and Prof Levi
Graduate School of Public Affairs
University of Washington
Seattle, WA 98195

Public Policy
Grad, mid career students

Examines the meaning of democracy in the context of American public [illegible]ies and administration. The perspective of individual and group participation in [illegible]licy process, the individual's role in organization, the functions of the public [illegible]nt in the making of policy decisions, and the realities of policy formulation [illegible] relation to democratic values. Objective of the course is to enable the student professionally committed to public activity to reflect in a discussion setting upon his or her position as a participant in the society in which he or she works.

870. Public Policy and Social Ethics
Barry Pehrsson, Sociology
Conrad Dietz, Philosophy
Cathedral College
7200 Douglaston Parkway
Douglaston, NY 11362

Sociology
Advanced
Undergrad

A theoretical and empirical analysis of the formation of social welfare policy from the perspective of sociology and ethics. The course emphasizes an analysis and critique of the value orientation which guide policy formation.

871. Science and Government (P)
Joseph Haberer
Prof. Nicholson-Johnson
Purdue University
West Lafayette, IN 47907

Political Science
Introductory

Introductory STPP course. Covers some EVIST issues. Taught every semester by members of the Science Technology Public Policy program.

872. Science and Policy
Dietrich Schroeer, Physics and Astronomy
University of North Carolina
Chapel Hill, NC 27514

Physics and Astronomy
Advanced
Undergrad/grad

The problems of using expert knowledge in democratic policy formation. These relate to communication within scientific disciplines, scientists values, and the use of scientific information and personnel in decision-making.

873. Science and Public Policy
Reverdy T. Gliddon, General Administration
University of Missouri
5100 Rockhill Road
Kansas City, Missouri 64153

General Administration
Grad

Examination of science in cultural perspective, particularly as an aspect of public affairs. The evolution of technological perspectives and their impact on the traditions of groups and organizations. The emergence of modern policy analysis.

874. Science in Society
Joel Selbin
Louisiana State University
Baton Rouge, LA 70803

Arts and Sciences
Introductory
Undergrad

An honors course which will consider the science-society interface, focusing on the impact and constraints of each on the other. Questions considered will include those arising from the relationship of science and technology to public policy and the environment.

875. Science, Technology, and Politics
Mark S. Frankel, Political Science
Wayne State University
Detroit, MI 48202

Political Science
Introductory
Undergrad

A look at the formulation and implementation of public policy for science and technology and how these processes are affected by individual and social values.

876. Science, Technology and Public Policy (P)
Joseph Haberer, Political Science
Purdue University
West Lafayette, IN 47907

Political Science
Undergrad/grad

A dual advanced course, focusing very heavily on the normative issues and systemic problems emerging from the impact of science and technology on the social order.

877. Science, Technology and Public Policy (P)
Dennis Livingston, History and Philosophy of Science
Rensselaer Polytechnic Institute
Troy, NY 12181

History and Philosophy of Science
Introductory
Undergrad

To study policy issues raised by advances in science and technology, the policy process for reaching decisions about science and technology development, and professional and value controversies raised by such development.

878. Seminar in Science and Public Policy
Staff
Graduate School of Public Affairs
University of Washington
Seattle, WA 98195

Public Policy
Grad, mid career students

Issues and problems relating to the interaction of science and scientists with the public policy-making process. Nature and values of science versus the nature and values of political processes, and the continuing tensions between the two. The evolving interaction between scientific and technical knowledge and political power; scientific versus ethical judgments. Role of science in the establishment of national goals. Plans and proposals for increasing governmental competence to deal with public policy issues involving science and technology.

879. Senior Seminar in Science and Public Policy (P)
Clifford Grobstein
University of California, San Diego
La Jolla, CA 92093

STPA
Advanced
Undergrad

Discussion of requirements for effective utilization of scientific knowledge in public policy analysis with examples presented by experts on such issues as impact of biomedical advances, technology in relation to national needs, nuclear power and nuclear weapons and implications of space exploration.

880. Social Science, Ethics, and Policy (P)
Prof. Rice, Technology and Society
Raymond College
University of the Pacific
Stockton, CA 95211

Technology and Society
Undergrad

Examines the interrelationship of the social sciences, ethics and social policy. Considered will be ethics, humanistic concern for the quality of life policies related to the poor, the quest for racial equality, old age, the education process, and the question, "who plans for whom?"

881. Social Experimentation as Policy Analysis
Mark S. Frankel, Political Science
Wayne State University
Detroit, MI 48202

Political Science
Advanced
Grad, sci, political sci, public administration majors

A look at the application of the experimental method to social problems, with special emphasis on the legal and ethical implications of such an approach.

882. Social Philosophy
William W. Paul, Philosophy
Central College
Pella, IA 50219

Philosophy
Introductory
Undergrad

Ethical and policy issues raised in contemporary society by science and technology. Selected readings from environmental studies, biomedicine, and psychology.

883. Social Policy
Elizabeth D. Huttman
Robert C. Forthman
California State University
Hayward, CA 94542

Sociology
Advanced
Undergrad

Policy affecting social services including influence of values on public policy, and impact of these policies as they affect minorities.

884. Social Science and Social Policy

Henrika Kuklick, History and Sociology of Science
University of Pennsylvania
Philadelphia, PA 19104

History and Sociology of Science
Middle level
Undergrad

The interaction of social and intellectual forces as they determine the content and influence of the social and behavioral sciences. How these have influenced business, industry and government in the U.S. from the turn of the century to the present and the intellectual and ethical issues raised thereby.

885. Technology and Policy Proseminars (P)

Thomas Sheridan, Mechanical Engineering
Marvin Sirbu, Center for Policy Alternatives
David Noble, Humanities
Massachusetts Institute of Technology
Cambridge, MA 02139

Technology and Policy Program
Advanced
Grad, engineering majors

Designed to develop the students' ability to analyze problems involving the interaction of technology with economic and social considerations. Exercises in problem formulation, design, analysis and evaluation of alternative policies and hardware configurations. Problems of institutional change. Case studies, projects drawn from fields such as energy, transportation, communications, health care, automation. Emphasis on written, oral and graphical communication of results. This effort, consisting of about one-third associated faculty in the School of Humanities and Social Science and explicitly designed to insure that the student experiences a perspective outside that of technology itself.

886. Technology and Society (P)

Sanford A. Lakoff
Herbert F. York
Roger R. Revelle
University of California, San Diego
La Jolla, CA 92093

STPA
Advanced
Undergrad

This course examines the impact of advances in science and technology on society. Among the topics considered: the theory of post-industrial society, the debate over limits to growth, the energy crisis, the making of science policy, and the roles and responsibilities of scientists and technologists in politics.

887. Value, Choice and Risk in Modern Technology (P)

J. Yellin
Massachusetts Institute of Technology
Cambridge, MA 02139

Technology Studies Program

Deals with the social effects of 20th century technology, as viewed from historical, contemporary political and scientific perspectives. A common thread of risk and uncertainty, as background for value choices involved in social decisions to create particular technological systems, runs throughout.

888. Values, Epistemology, and Policy

Kan Chen, Electrical and Computer Engineering
University of Michigan
Ann Arbor, MI 48109

Engineering
Advanced
Grad

A graduate-level interdisciplinary seminar course examining the human value implications and the epistemological basis of policy science, engineering design, and professional planning activities.

5.02. Control of Science/Technology

889. Arms and Arms Control (P)
Herbert F. York
University of California, San Diego
La Jolla, CA 92093

STPA
Advanced
Undergrad

Designed to explore and analyze a particular current issue in technology policy and how society goes about coping with it. The technological political, and strategic ideas that underline both the nuclear-arms race and attempts to control it will be discussed in a historical perspective.

890. Democratic Political Theory
James L. Danielson, Political Science
North Texas State University
Denton, TX 76203

Political Science
Advanced
Grad/undergrad

Postulates and implications, moral foundations and various forms of democratic theory; democratic theory and the economic, social and technological systems; problems of theory and practices; criticisms and justifications.

891. Federal Regulation of Science and Technology (P)
Michael S. Baram
Franklin Pierce Law Center
Concord, NH 03301

Law school
Advanced
Grad, sci, law, med

Analysis of administrative law, agency decision-making and judicial review as used for promoting and regulating scientific and technological developments. Agency standard-setting, assessment of new technologies, and other aspects of risk management are discussed in the context of specific problems, e.g. nuclear power, solar energy, offshore mineral resources, biomedical devices, and chemical hazards to human health. Various proposals for reforming the regulatory process are evaluated.

892. Introduction to Social Ethics
Robert Coburn, Philosophy
University of Washington
Seattle, WA 98195

Philosophy
Introductory
Undergrad

Discussion of social ideals and their implementation in complex industrialzed societies. Specific topics include: democratic decision-making in connection with technological developments, the impacts of current technological developments on "the human prospect," distributing the burdens and benefits of social life in highly technological societies, and the place of liberty in such societies.

893 Introduction to Technology and Law
Prof. M. S. Baram, et al
Massachusetts Institute of Technology
Cambridge, MA 02139

Civil Engineering
Advanced
Grad/undergrad

An introduction to the basic principles and functions of law, using legal cases and materials arising from scientific and technical issues. Provides an understanding of the law and legal processes as they impact upon the work of engineers and scientists. Study of judicial law-making shows how federal and state power to govern grows as technology grows. Law's task of resolving conflicts found in scientific and engineering alternatives sensitizes students to choice of values questions.

894. Law and the Social Control of Science and Technology

M.S. Baram, Civil Engineering
Massachusetts Institute of Technology
Cambridge, MA 02139

Civil Engineering
Advanced
Grad

Analysis of legal methods for control of science and technology including: common law to internalize social costs; legislation and administrative law to regulate experimentation and applications assessment methods for policy and program design; and judicial review of agency standard-setting and other actions. Consideration of information access problems and the development of effective roles for citizens groups. Focus on problem areas to be selected such as nuclear power, offshore mineral exploitation, new chemicals and hazards to human health.

895. Law and Technology

Harold Ward, Chemistry
Brown University
Providence, RI 02912

Chemistry
Advanced
Undergrad

An examination of the various modes of technology control, with emphasis on administrative and environmental law.

896. Law and Technology: Seminar

Richard W. Wright
Benjamin N. Cardozo
School of Law
Yeshiva University
New York, NY 10003

Law
Introductory
Law school
Law students

Place of law in evolving interactions of values and technology in a democratic society. Case studies on, e.g. genetic engineering, mass information utilities, prolonging life, natural areas.

897. Politics of Technical Decisions (P)

D. Nelkin and
J. Milch, Science Technology & Social Program
Cornell University
Ithaca, NY 14853

Science Technology & Social Program
Advanced
Grad, mixed student population

Political aspects of policy decisions in areas traditionally defined as "technical." Historical and political science perspective on the development of technical institutions.

898. Role and Management of Modern Technology (P)

Rolf Buchdahl
Technology and Human Affairs
Washington University
St. Louis, MO 63130

Technology and Human Affairs
Advanced
Grad, sci/nonsci majors

Modern technology as a major factor leading to societal change; role and management of technology in three sectors: universities, industry and government. For each sector, analysis of process of setting goals, translating goals into specific technological objectives and execution of the technological effort. Factors emphasized include internal and external constraints, conflict resolution, resource allocation, innovation versus discovery, evaluation of success or faliure based on actual case studies.

899. Science and Government
Lawrence Badash, History
University of California
Santa Barbara, CA 93106

History
Introductory
Grad/undergrad, sci/nonsci

A survey of post-war science-government relationships, emphasizing the Federal government, but including state and local efforts. The nature of scientific advice, its value-component, and its effectiveness are discussed.

900. Science and Government (P)
John Steinhart, Geology
Institute for Environmental Studies
University of Wisconsin
Madison, WI 53706

Political Science/Geology
Advanced
Undergrad/grad, sci and nonsci

The effect of science and technology.

901. Society, Government and the Environment
Iona College
New Rochelle, NY 10801

Interdepartmental studies
Introductory
Undergrad

A comprehensive treatment of environmental problems facing man in the twentieth century. This course is taught by three faculty members from the disciplines of biology, sociology, and history-political science. Human ecology, that is, man's relations and interactions with his environment, effect of the changes man has made on the environment and effects of these changes on society will be discussed. This study encompasses an investigation into the political and sociological motivations, attitudes and results of group actions. The course will consist of formal two-hour seminars, independent study and field trips.

902. Science in American Society (P)
Ingrid Deich, Sociology
University of Missouri
Rolla, MO 65401

Sociology
Introductory
Grad/undergrad, nonsci

Organizational approach. Three settings of R and D: the university, industry, government. The effect of the goals, policies, and structures of the organization on the conduct and outcome of research and development.

903. Science, Politics, and Government
William Bevan and
John McKinney
Duke University
Durham, NC 27706

Psychology
Advanced
Undergrad/grad

The structure and values of the scientific community, the mechanism and strategies of government, and their mutual interdependence in American society.

904. Technology and Human Values (P)
Leander Schwartz
University of Wisconsin
Green Bay, WI 54302

Freshman University Seminars Program
Introductory
Undergrad

Is there a conflict between science and society? Or is science, instead, a part of society? After discussion of the technological developments which are likely to occur in the future, a series of articles in "Science" and "Scientific American" will be used as the basis for an analysis of the types and extent of social control of society. Included will be a discussion of what forms of control are available, and how much is desirable.

905. Topics in Technology and Cultural Institutions: Legal and Ethical Issues in Technology (P)
Jules Coleman, Philosophy
University of Wisconsin
Milwaukee, WI 53201

Philosophy
Advanced
Undergrad

A discussion of environmental control, allocation, exotic medical resources and providing an education in a technological world.

5.03. Role of Scientists/Engineers in Public Policymaking

906. Arms, Power and the Engineer (P)
L. Trilling
Massachusetts Institute of Technology
Cambridge, MA 02139

Aeronautics and Astronautics
Astronautics
Introductory and advanced
Undergrad

This subject examines the cultural, social and technical factors which underlie the exercise of political power. It describes how the consequences of technical progress and the new world outlook which developed in the West after the Renaissance transformed the selection, the style and the goals of the power-elite in England, France, China and Japan, and how a more effective military technology has affected our views on war-making and the reach of the state. Finally, it examines the role of the engineer and of the scientist in the process of making decisions which involve "high" technology and its effects in national power and human welfare.

907. Modern Science and Politics
E. Manier, Philosophy
University of Notre Dame
Notre Dame, IN 46556

Philosophy
Advanced
Grad

Problems arising in political philosophy in connection with the new role of the scientific expert as government advisor and political debate over public policy. Evolving social structure of modern science and changing relations with larger society.

908. Seminar in Public Interest Science (P)
C. Weiner
B.T. Feld and
H.W. Kendall
Massachusetts Institute of Technology
Cambridge, MA 02139

Technology Studies Program
Undergrad

Intended to introduce students in science and engineering to the approaches and methods used by professional scientists and engineers in contributing to the solution of technical aspects of issues of social relevance. Subjects include: future of nuclear power and nuclear weapons; weapons technology and the dangers of war; problems raised by new developments in molecular biology.

909. Topics in the Impact of Technology (P)
Charles K. Hyde, et al
Monteith College
Wayne State University
Detroit, MI 48202

Socio Humanistic Studies Program
Introductory
Engineering students

The first part of the course is an examination of bureaucratic-planning systems like that of the contemporary U.S. and the role of the scientific-technological elites in that system. The second part of the course is an examination of the social responsibility of scientists, while the last part examines the nature of individual and societal decision-making with regard to science and technology.

5.01. Technology Assessment/Forecasting

910. Economics of Technological Innovation

Martin J. Davidson
North Texas State University
Denton, TX 76203

Economics
Advanced
Grad, nonsci, business, economics majors

Critical role of technological innovation as a determinant of economic growth in a mature economy. Relation of science to technology; social relevance of technology; special nature of research and development, science policy and the federal government, technological planning and forecasting; competition monopoly and resistances to innovation.

911. Future Society

Lester Milbrath, Environmental Studies
State University of New York
Buffalo, NY 14214

Environmental Studies Center
Advanced
Grad

Identify types of futures forecasting; examine and criticize forecasting methodology. Examine linkages between forecasting and planning and policy making. How does politics constrain the use of forecasting and long-range planning?

912. Perspectives on Technology Assessment (P)

Jerry Gravander, Humanities
Clarkson College of Technology
Potsdam, NY 13676

Humanities
Advanced
Undergrad, sci/nonsci, engineering, management majors

This course examines the philosophy and current status of technology assessment. Theory and practice are combined through use of a variety of standard academic and non-standard "hands-on" activities.

913. Science, Values, and Public Policy

Robert Snow, Lyman Briggs College
Michigan State University
East Lansing, MI 48824

Lyman Briggs College
Intermediate
Undergrad

Case studies of the world food problem and health care delivery using a technology assessment framework.

914. Technology and Society

Gary A. Flandro, Mechanical Engineering
J.D. Seader, Chemical Engineering
Department of Mechanical Engineering
University of Utah
Salt Lake City, UT 84112

Liberal Education
Introductory
Undergrad, nonsci majors

Course concentrates on interaction between technology and society, emphasizes feedback mechanisms, technology assessment. Long-range technological planning.

915. Technology Assessment (P)

Paul Daitch, Engineering
Vernon Ferwerda, Political Science
John Koller, Philosophy
Rensselaer Polytechnic Institute
Troy, NY 12181

Human Dimensions Center
Advanced
Undergrad, sci, engineering, majors

How can we ensure that our technologies will help us create a befter future world: The course aims at developing methods and skills for doing technology assessments, and attempts to deepen our understanding of human values and social change. Concepts of value, social change, assessment and technology are explored and particular methods of assessment--Cross Impact Analysis, Relevance Tree, Delphi, Cost-Benefit Analysis--are examined. Emphasis on human and social dimensions of technological change; technical and economic considerations are included.

916. Technology Assessment and Public Policy (P)

William P. Darby
Washington University
Box 1106
St. Louis, MO 63130

Technology and Human Affairs
Advanced
Undergrad/grad

Techniques for anticipation of social economic, human, and environmental consequences of technological development to provide the public and policy makers with sound bases for decision-making. Topics include definition and nature of technology, the need for formal technology assessments, technological forecasting, and state of the art. Students working in interdisciplinary teams will carry out pilot technology assessments.

917. Technology Assessment and Social Change

Devendra P. Garg, Mechanical Engineering
School of Engineering
Duke University
Durham, NC 27706

Engineering/Public Policy Science
Advanced
Undergrad, sci/nonsci, biomed engineering

The course is aimed to provide an awareness and appreciation of nontechnical issues associated with development and use of current and future technologies.

918. Technology Assessment Concepts and Methods

Richard Watson, Social Management of Technology
University of Washington
Seattle, WA 98195

Social Management of Technology
Introductory
Undergrad/grad, sci, nonsci

Technology assessment is suggested as the systematic study of the various impacts on society that may occur when a technology is introduced, extended, or modified. Prepares a student to perform a technology assessment through exploration of the concept, investigation of various methods, and analysis of several assessments.

919. Technology Forecasting and Assessment (P)

Robert S. Goodrich
Technology and Public Policy
Vanderbilt University
Nashville, TN 37235

Technology and Public Policy Program
Advanced
Undergrad/grad

Designed to acquaint students with philosophical underpinnings and methodological techniques for forecasting and assessing technological development. Current technology assessments are used as case studies to discuss impact analysis, policy formulation, etc. A technology forecasting and impact analysis term project required of each student.

OTHER PROGRAMS AND COURSES RELATED TO EVIST

1. SCIENCE, TECHNOLOGY, AND SOCIETY

Science and society/technology and society
Biology and society
Genetics/heredity and society
Race
Human sexuality
Evolution
Chemistry and society
Physics and society
Computers and society
Communications and society
Women, science, and technology
History of science/technology
Philosophy of science/technology
Science, technology, and public policy
Technology assessment
World futures

2. ENVIRONMENTAL CONCERNS

Environment and society
Environmental science
Ecology/environmental biology
Environmental chemistry
Geosciences and the environment
Natural resources management
Energy
Agriculture, food. and society
Urban studies
Environmental policymaking

3. HEALTH CARE

Health care
History of medicine
Aging/gerontology
Death and dying

4. CONTEMPORARY MORAL AND ETHICAL PROBLEMS

OTHER PROGRAMS AND COURSES RELATED TO EVIST

1. SCIENCE, TECHNOLOGY, AND SOCIETY

Science and Society/Technology and Society

The Age of Flight (Aerospace Engineering), Pennsylvania State U, PA
Archaeology (Art), Bucknell U, PA
Center for Social Science Applied Research, Neil J. Hackett (Social Sciences), Oklahoma State U, OK
Conservation Archaeology (Anthropology), Southern Illinois U at Carbondale, IL
The Culture of Western Man, Arthur M. Kelly, Warner Pacific College, OR
Curriculum in Science and Culture, L. E. Trachtman, Purdue U, IN
Cybernation: Impact of Science on Society (Physics), Baylor U, TX
Dynamics of Change: The Impact of Technology (Technology and Public Policy), Vanderbilt U, TN
Geography, Science, Society (Geography), Western Kentucky U, KY
History of Science and Society (History/Science), Western Carolina U, NC
Honors in Mathematics and the Sciences (Science), California State College, Bakersfield, CA
Humanities Development Program: Science, Technology and Values, Richard Astro (English), Oregon State U, OR
Humanity and Technology (Industry and Technology), Northern Michigan U, MI
Human Nature and the Impact of Science (German), U of Iowa, IA
The Human Problem of the 20th Century (General Studies Social Science), Eastern Kentucky U, KY
Impact of Engineering Technology on Society (General Engineering), Kansas State U, KS
Impact of Technology on Society (Engineering), California State U, Los Angeles, CA
Introduction to Social Factors in Technology (Social Sciences), U of Missouri--Rolla, MO
Macro Societal Systems Engineering (Engineering/Humanities), U of Michigan, MI
Man and His Technology (Natural Science Service Area), Iona College, NY
Man and Machine: Culture and Technology (Crown College), U of California, Santa Cruz, CA
Man and Technology (Technology), Fairmont State College, WV
Man and Technology (Math, Science, Technology), Niagara County Community College, NY
Man and Technology (English), Southern Technical Institute, GA
Man and Technology (Engineering), Villanova U, PA
Man vs. Science (Biology), Chatham College, PA
Man's Scientific Activity (General Studies), Rhode Island College, RI
Origins and Results of the World's Space Programs (Contemporary Issues), U of California, San Diego, CA
Problems in Technology and Society--1700 to Present (Humanities/History), U of Michigan, MI
Program in Comparative Culture, Joseph G. Jorgensen (Comparative Culture), U of California, Irvine, CA
Science and Humanity (Natural Science), Plymouth State College, NH
Science and Society (Physical Science), California Polytechnic State U, CA
Science and Society (Physical Science), California Polytechnic State U, CA
Science and Society (Geology and Sociology), Delta College, MI
Science and Society, Leland P. Johnson (Biology), Drake U, IA
Science and Society (General Studies Science), Eastern Kentucky U, KY
Science and Society (Physics), Ithaca College, NY
Science and Society (Interdisciplinary Studies; Math/Science), Kirkwood Community College, IA
Science and Society (History), Midwestern State U, TX
Science and Society (Natural Science and Math), Oregon College of Education, OR
Science and Society (Natural Science), Stephens College, MO
Science and Society (University College), U of Maryland, MD
Science and Society (Honors), Villanova U, PA
Science and Society in the 19th and 20th Centuries (History), U of Connecticut, CT
Science and Society: U.S. Science (History), St. Mary's College of Maryland, MD
Science and the Modern World (Philosophy), U of Texas, TX
Science, Biology, and Society (Biology), U of Minnesota, MN
Science in Civilization (Interdiciplinary), Beaver College, PA
Science in Society (Physical Science), College of St. Scholastica, MN
Science, Man, and Society (Natural Science), Michigan State U, MI
Science, Society, and Survival (Physical Science), Chicago State U, IL
Science, Technology, and Civilization (Science), Washington State U, WA
Science, Technology, and Human Affairs (Biology and Physics), Marist College, NY
Science, Technology, and Man (Physical Science), Essex Community College, MD

Science, Technology, and Society (112A), Grove City College, PA
Science, Technology, and Society (Philosophy), U of New Hampshire, NH
Science, Technology, and the Modern World (Philosophy), U of Tennessee, TN
Science, Technology, Society (Science), Simon's Rock Early College, MA
Scientist in Today's World (ID), College of St. Catherine, MN
Seminar in the Social Sciences (Social Sciences), Saint Paul's College, VA
Seminar on the Results and Value of the Space Programs (Science, Technology, and Public Affairs), U of California, San Diego, CA
Seminar on Technology and Society (Industrial Engineering), U of Wisconsin, WI
Senior Seminar in Science and Society (General Studies), Purdue U, IN
Social and Institutional Economics (Economics), California State U, Chico, CA
Social Organization of Technology: A Comparative Perspective (Sociology), U of Wisconsin, Milwaukee, WI
Social Psychology of Science (Psychology), Johns Hopkins U, MD
Social Values and Economic Society (Economics), U of Arkansas, AR
Society and Technology (Humanities and Engineering), Christian Brothers College, TN
Society and the Economic Transition (Monteith College), Wayne State U, MI
Sociocultural Problems of Technology (Interdisciplinary General), Southern Illinois U, Edwardsville, IL
Sociology of Knowledge (Sociology), U of Maine at Orono, ME
Sociology of Modern Science (Sociology), Villanova U, PA
Socio-Technology (Engineering), U of Mississippi, MS
Special Problems in STS (STS), Clark U, MA
The Technological Society and the Thrust for Growth (Integrated Studies), Pacific Lutheran U, WA
Technology and Civilization (Liberal Arts), Central New England College of Technology, MA
Technology and Decentralization (Philosophy), U of Wisconsin, Milwaukee, WI
Technology and Man (Electrical Engineering), Marquette U, WI
Technology and Man (Humanities), U of Michigan, MI
Technology and Politics (Political Science), State U of New York at Buffalo, NY
Technology and Social Change (Engineering), Florida Technological U, FL
Technology and Social Change (Philosophy), Marquette U, WI
Technology and Social Change (Raymond College), U of the Pacific, CA
Technology and Society (Engineering), California State U, Northridge, CA
Technology and Society (Engineering), McNeese State U, LA
Technology and Society (Engineering), Michigan State U, MI
Technology and Society (History), North Carolina Wesleyan College, NC
Technology and Society (Engineering and Social Sciences), Rice U, TX
Technology and Society (Electrical Engineering/Political Science), The Citadel, SC
Technology and Society (Civil Engineering/Interdisciplinary Studies), U of Hawaii, HI
Technology and Society (Civil Engineering), U of the Pacific, CA
Technology and Society (Electrical Engineering), Washington State U, WA
Technology and Society: Impact and Implication (Engineering), Hofstra U, NY
Technology and Urban Industrial Development (Urban Affairs), U of Wisconsin, Milwaukee, WI
Technology, Humanity, and Nature (Values, Technology, and Society), Stanford U, CA
Underclass Seminar in Science and Society (General Studies), Purdue U, IN
Work and Leisure (Organizational Administration), U of Detroit, MI

Biology and Society

Animal-Human Behavior (NEXA, Humanities), San Francisco State U, CA
Biological Problems in Society (Biology), New River Community College, VA
Biology and Human Affairs (Biology), Burlington County College, NJ
Biology and Human Welfare (Biology), California State U, Northridge, CA
Biology and Modern Society (Biology), Washington U, MO
The Biology and Psychology of Women (Women's Studies), U of Wisconsin, WI
Biology and Society (Biology), Brooklyn College, NY
Biology and Society (Biology), California State U, Fresno, CA
Biology and Society (Biology), Eastern Montana College, MT
Biology and Society (Biology), U of Evansville, IN
Biology and Society (Science), Westbrook College, ME
Biology for Nonscience Majors (Biology), U of New Mexico, NM
Biology in Contemporary Life (Biology), Western Illinois U, IL
Biology in Human Affairs (Biological Science), U of Illinois at Chicago Circle, IL
Biology of Human Concern (Biology), C. W. Post College, NY

Biology of Man (Biology), St. Bonaventure U, NY
Biology Seminar (Biology), Hofstra U, NY
The Body Electric (Humanities), Milton S. Hershey Medical Center, Pennsylvania State U, PA
Contemporary Issues in Biology (Biology), Wheaton College, IL
Controversial Issues in Biology (Biology), Fort Lewis College, CO
Current Concepts in Biology (Biology), Mount Mary College, WI
Critical Thinking: Biomedical Ideas and Culture (Philosophy, Health Science, English), U of Delaware, DE
Human Biology (Biology), U of Wisconsin--LaCrosse, WI
Humanistic Biology (Biological Science), Brandeis U, MA
Issues in Biology (Biology), Central College, IA
Social Biology, North Country Community College, NY
Social Impacts of Biology (Biology), Purdue U, Calumet Campus, IN
Social Implications of Biology (Biology), Kean College of New Jersey, NJ
Structure and Issues in Biology (Biology), Seattle Pacific College, WA

Genetics/Heredity and Society

Concepts of Genetics (Biology), Cardinal Stritch College, WI
Foundations of Human Heredity (Biology), Wichita State U, KS
Genes, Heredity and Society (Biology), Old Dominion U, VA
Genetics (Science-Math), Villa Maria College, PA
Genetics and the Future of Man (#324), U of Kansas, KS
Genetics of Man (Biology), State U of New York at New Paltz, NY
Heredity and Human Affairs (Biology), Millersville State College, PA
Heredity and Human Affairs (Genetics), U of Southern Mississippi, MS
Heredity and Society (Biology), North Carolina Central U, NC
Heredity, Evolution and Culture (Biology), William Rainey Harper College, IL
Heredity, Evolution and Society (Biology), Belmont Abbey College, NC
Heredity, Evolution and Society (Biology), Seton Hill College, PA
History and Philosophy of Genetics (Humanities), Milton S. Hershey Medical Center, Pennsylvania State U, PA
Human Genetics and Societal Problems (Life Sciences), Sam Houston State U, TX
Human Genetics and the Problems of Mankind (Biology), Ball State U, IN
Human Heredity (Natural Science), Pepperdine U, CA
Human Heredity and Society (Biology), Greensboro College, NC

Race

Biological and Medical Aspects of Race (Afro-American Studies), U of Wisconsin, WI
Race, Evolution of an Idea (Natural Science), Michigan State U, MI
Race, Socio-economic Status and Intellectual Development (Afro-American Studies, Educational Psychology, Psychology), U of Wisconsin, WI
Scientific Racism: Biology as a Tool of Institutional Racism (Biology), Augsburg College, MN

Human Sexuality

Dimensions of Human Sexuality (Interdisciplinary), Loyola College, MD
Health, Sexuality, and Family Life (Health Science), Ball State U, IN
Human Sexuality (Health Science), California State U, Fresno, CA
Human Sexuality (Psychology), Cypress College, CA
Human Sexuality (Biology), U of Missouri--Kansas City, MO
Human Sexuality (BioSciences), U of Southern California, CA
Human Sexuality (Sociology, Psychology), West Georgia College, GA
Sex and the Life Cycle (Mental Health Sciences), Hahnemann Medical College and Hospital of Philadelphia, PA
Sexual Values in the Visual Arts (Humanities), Milton S. Hershey Medical Center, Pennsylvania State U, PA
Teaching Human Sexuality (Sociology), West Georgia College, GA
Workshop on Human Sexuality for Hospital Personnel (Sociology), West Georgia College, GA

Evolution

The Darwinian Revolution (NEXA), San Francisco State U, CA
Human Nature and Sociobiology (Psychology), Massachusetts Institute of Technology, MA
Philosophical Biology (Biology), Andrews U, MI
Science, Man and Society (Natural Science), Michigan State U, MI
Search for Life in the Universe (Astronomy), Boston U, MA

Chemistry and Society

Chemistry and Civilization (Chemistry), Bradley U, IL
Chemistry and Contemporary Issues (Chemistry), Washington State U, WA
Chemistry and Contemporary Society (Chemistry), Alvernia College, PA
Chemistry and Man (Chemistry), Central Missouri State U, MO
Chemistry and Modern Culture (Chemistry), Mount Marty College, SD
Chemistry and Modern World (Chemistry), Essex Community College, MD
Chemistry and Society (Chemistry), Duquesne U, PA
Chemistry and Technological Society (Chemistry), Amherst, MA
Chemistry for Citizens (Chemistry), Millsaps College, MS
Chemistry for the Citizen (Chemistry), U of New Mexico, NM
Chemistry--Its Role in Society (Chemistry), U of South Alabama, AL
Contemporary Chemistry (Chemistry), Western Illinois U, IL
Modern Alchemy (Chemistry), U of Wisconsin--River Falls, WI
Survival in the Age of Chemistry (Chemistry), Fairleigh Dickinson U, NJ

Physics and Society

Physics and Human Affairs (Physics), U of Arkansas, AR
Physics and Society (Physics), Lynchburg College, VA
Physics and Society (Physics), Northeast Louisiana U, LA
Physics and Society (Physics), Northern Illinois U, IL
Physics and Society (Physics), U of Arkansas at Little Rock, AR
Physics and Society (Physics), U of North Carolina, NC
Physics for Society: Introduction to Philosophy (Physics/Philosophy), Bowling Green State U, OH
Physics for Society (Physics), Western Illinois U, IL
Physics, Power, Pollution and Government (Physics), U of Delaware, DE

Computers and Society

The Computer Age (Computer Science), Cornell U, NY
Computers and People (Electrical Engineering), U of California, Davis, CA
Computers and Societal Problems (Computer Science), George Washington U, DC
Computers and Society (Science and Technology), Loyola Marymount U, CA
Computers and Their Social Impact (Computer Science), Moorhead State U, MN
Computers in Society (Computer Science), U of Wisconsin--Oshkosh, WI
Introduction to Computer Science or Computer and Society (Computer Science), U of South Carolina, SC

Communications and Society

Center for Information and Communications Study (CICS), George Arnovick, California State U, Chico, CA
Center for Research in Scientific Communication, William D. Garvey (Psychology), Johns Hopkins U, MD
Communicating Science (Residential College), U of Michigan, MI
Communication with Families across Culture, Class, Race and Religion (Home Economics and Consumer Studies), Brooklyn College, NY
Human Communications and Technology (Communications), U of Wisconsin--Milwaukee, WI
Mass Media in Modern Society (Speech), Monmouth College, IL
Modern Communication Systems and Society (Center for Information and Communication Studies), California State U, Chico, CA
Rocky Mountain Institute in Communication, Roy C. Nelson (1977 Director) (Technical Journalism), Colorado State U, CO

Women, Science, and Technology

Philosophy of Feminism (Philosophy), Bowling Green State U, OH
Women in Science, Medicine and Technology (History and Health Science), U of Delaware, DE
Women, Science and Society (Women's Studies), George Washington U, DC

History of Science/Technology

Age of Invention/Age of Energy (History), Lynchburg College, VA
American Intellectual and Cultural History since 1859 (History/Religious Studies), U of Illinois at Urbana-Champaign, IL
American Intellectual and Cultural History since 1865 (History/Religious Studies), U of Illinois at Urbana-Champaign, IL
American Science and Technology (History), U of California, Davis, CA
The Arms Race (History), U of California, Santa Barbara, CA
The Ascent of Man (Honors), Indiana U Northwest, IN
Ascent of Man (Natural Sciences/Philosophy), Ouachita Baptist U, AR
The Ascent of Man (Natural Science), Waubonsee Community College, IL
Ascent of Man Seminar, Ronald Stoner, Bowling Green State U, OH
The Ascent of Man: A Film and Dialogue Experience, Marion Parsons (Continuing Education), Kean College of New Jersey, NJ
The Ascent of Man: A Personal View by J. Bronowski (Interdisciplinary), U of California, San Diego, CA
Astronomy's Contribution to Western Culture (Astronomy), U of Southern California, CA
Case Studies in Socio-Technological History (Values, Technology, Society), Stanford U, CA
Changing Concepts of the Universe (Natural Science), Michigan State U, MI
Contemporary Natural Science (Natural Science), Cosumnes River College, CA
Development of Man's Understanding of the Physical World (Humanities), U of Arkansas, AR
Discovery and Interpretation: The History and Philosophy of Chemistry and Physics (Interdisciplinary), Earlham College, IN
Emergence and Growth of New Research Fields: A Social History (Technology Studies Program), Massachusetts Institute of Technology, MA
Engineering and Technology in History (Engineering), Florida Technological U, FL
Evolution and Social Thought since 1800 (History), U of Illinois, IL
The First Atomic Bomb: From Preconception to Birth (Technology/Engineering Sciences), Dartmouth College, NH
Freshman Year of Studies (Humanities/Behavioral Science/Interdisciplinary), Villa Maria College, PA
Historical Problems in Technical Change (Lyman Briggs College), Michigan State U, MI
History and Philosophy of Science (Science), Bristol Community College, MA
History and Philosophy of Scientific Thought (Philosophy), Colorado State U, CO
History of American Architecture (History), Southern Technical Institute, GA
History of American Technology (History), Southern Technical Institute, GA
History of Biological Ideas (History/Health Science), U of Delaware, DE
History of Biology (BioScience), U of Southern California, CA
History of Geologic Thought (Geology/Earth Sciences), State U of New York at Plattsburgh, NY
History of Modern Mathematics (Technology Studies Program), Massachusetts Institute of Technology, MA
A History of Modern Science (History), North Texas State U, TX
History of 19th-Century Science (Technology Studies Program), Massachusetts Institute of Technology, MA
History of Science (History/Physics), California State U, Long Beach, CA
History of Science (Physics), Hanover College, IN
History of Science (Geoscience), Jersey City College, NJ
History of Science (4902-0104), Montclair State College, NJ
History of Science and Technology (History), Bronx Community College, NY
The History of Science and Technology (History), The Citadel, SC
History of Science and Technology (History), Trinity Christian College, IL
History of Science: Selected Topics (Physics), California State U, Long Beach, CA
History of Science: Three Quarter Sequence (History), Montana State U, MT
History of Social Thought (Sociology), Northern Illinois U, IL
History of Technology (Technology Studies Program), Massachusetts Institute of Technology, MA
History of Technology (History), Northern Montana College, MT
History of Technology (History Studies/General Science), Oregon State U, OR
History of Technology (General Engineering/History), South Dakota State U, SD
History of the Life Sciences (History), Purdue U, IN
History of Transportation (History), Northern Montana College, MT
History of Transportation in the United States since 1790 (History), U of Wisconsin, Milwaukee, WI
History of Western Civilization (History), Southwestern Union College, TX
History, Technology and Society (History), Western Carolina U, NC
Introduction to the History of Science (History), U of Connecticut, CT
Man and Machines (Engineering), Florida Technological U, FL
Materials and Civilization (Materials Engineering), U of Michigan, MI
Materials, Technology, and Society (Natural Sciences), U of Illinois at Chicago Circle, IL

Philosophical Problems in the History of Science (Philosophy), U of Tulsa, OK
Physics, History, and Society (Physics or History), Iowa State U, IA
Physics, Ideas and History, U of the Pacific, CA
Science and Civilization (University Studies), North Carolina State U, NC
Science and Culture (Science), Wheaton College, IL
Science and Culture in the Modern World (Humanities), Harvey Mudd College, CA
Science and Ideology (Philosophy), U of Wisconsin, Green Bay, WI
Science and Religion in the Western World (History), U of Connecticut, CT
Science and Society (Physics/History), Santa Barbara City College, CA
Science and Society (Humanities/Physical and Ocean Sciences), U.S. Coast Guard Academy, CT
Science and Technology, Anthony O. Smulders, Loyola Marymount U, CA
Science and Technology in Western Civilization I (History), Purdue U, IN
Science and Technology in Western Civilization (History), Purdue U, Calumet Campus, IN
Science as a Cultural Force (Chemistry), Ashland College, OH
Science from the Renaissance through the Enlightenment (21.77), Massachusetts Institute of Technology, MA
Science in History (Engineering), Florida Technological U, FL
Science in Modern History (History), Colorado State U, CO
Science, Technology, and Warfare (History), U.S. Air Force Academy, CO
Scientific Thought I (Philosophy/History), U of Illinois at Urbana-Champaign, IL
Scientific Thought II (Philosophy/History), U of Illinois at Urbana-Champaign, IL
Seminar in the History of Contemporary Science: American Science since the 1930's (Technology Studies Program), Massachusetts Institute of Technology, MA
Social History of Engineering (Mechanical and Aerospace Engineering), U of Missouri, Columbia, MO
Social History of Technology from the Civil War to the Present (History), U of Wisconsin, Milwaukee, WI
Sociology of Industry and Technology (Sociology), California State U, Hayward, CA
Technology and America (History), Morehead State U, KY
Technology and Culture (Anthropology), U of California, Santa Barbara, CA
Technology and History: China and the West (Technology Studies Program), Massachusetts Institute of Technology, MA
Technology and Modern Industrial Society (Values, Technology, Society), Stanford U, CA
Technology and Social Change (Engineering), San Jose State U, CA
Technology and Social Change: Undergraduate Studies in Modern European History (History), U of Southern California, CA
Technology and Western Culture (History), U of Kentucky, KY
Technology in America: Inventors, Engineers, and Entrepreneurs (History/Sociology of Science), U of Pennsylvania, PA
Technology in American Life (History), U of Illinois at Urbana-Champaign, IL
Technology in History (History), Amherst College, MA
Technology in Society: Historical Perspectives (Values, Technology, Society), Stanford U, CA
Technology, Society, and the Human Condition (Mechanical and Aerospace Engineering), Cornell U, NY
Technology's Impact on the Modern West: 1750-1950 (Humanistics Social Studies), U of Washington, WA
Topics in History of Technology (History), U of Illinois at Chicago Circle, IL
Topics in Technological Development (Engineering), Florida Technological U, FL
Topics in the History of Science and Technology (History), Southwestern Louisiana U, LA
Twentieth Century Technology and Society (History), U of Missouri, Rolla, MO
The Work of the Scientist, and Its Sources (Technology Studies Program), Massachusetts Institute of Technology, MA

Philosophy of Science/Technology

Concepts of Science (Science), Saint Francis College, IN
The Copernican Revolution (NEXA), San Francisco State U, CA
Foundations of Science (Philosophy), Mount Marty College, SD
History and Philosophy of Science (Physical Science/Biological Sciences), Arkansas Technical U, AR
History of Science (Physical Science), College of St. Scholastica, MN
Ideas and Technology in Western Culture (Values, Technology, Society), Stanford U, CA
Limits of Science (Geology), Middlebury College, VT
The Literature of Science (Humanities), U of Michigan, MI
Man the Inquirer (College of Science and Society), Wesleyan U, CT
Marxism and Contemporary Technology (Philosophy), Southern Illinois U at Carbondale, IL

Models and Modelling: Representations of Reality (Values, Technology, Society), Stanford U, CA
The Nature and Continuity of Life (Variation A) (Natural Science), Michigan State U, MI
The Nature of Science I and II (Interdisciplinary), Central College, IA
Philosphical Foundations of the Natural Sciences (Philosophy), U of Wisconsin, Green Bay, WI
Philosophical Problems in Psychology (Philosophy), U of Wisconsin, Green Bay, WI
Philosophical Problems of Social Sciences (Philosophy/Health Science), U of Delaware, DE
Philosophy of Science (Philosophy), Arkansas Technical U, AR
Philosophy of Science (Philosophy), Mount St. Mary's College, CA
Philosophy of Science (Philosophy), Muhlenberg College, PA
Philosophy of Science (Philosophy), Northwest Missouri State U, MO
Philosophy of Science (Philosophy), Providence College, RI
Philosophy of Science (Philosophy), Randolph-Macon Woman's College, VA
Philosophy of Science (Philosophy), Southern Benedictine College, AL
Philosophy of Science (Philosophy), State U of New York, College at Cortland, NY
Philosophy of Science (Philosophy), Texas A & M U, TX
Philosophy of Science (Philosophy), U of North Carolina at Charlotte, NC
Philosophy of Science (Non-departmental Course 316), U of the South, TN
Philosophy of Science (Philosophy), U of Tulsa, OK
Philosophy of Science (Philosophy), Washburn U, KS
Philosophy of Science (Philosophy), Western New England College, MA
Philosophy of Science and Medicine (Philosophy/Health Science), U of Delaware, DE
Philosophy of Social Science (Philosophy), State U of New York, College at Cortland, NY
The Philosophy of Social Science (Philosophy/Anthropology/Sociology), U of Illinois at Urbana-Champaign, IL
Philosophy of Technology (Philosophy), U of Wisconsin, WI
Philosophy of Technology (Philosophy), Winona State U, MN
Philosophy, Science and the Occult (Philosophy), U of Tulsa, OK
Physical Science and Philosophy (Honors), Middle Tennessee State U, TN
Physics as Science and Metaphor (Physical Science), Brandeis U, MA
Proseminar in Social Inquiry (Comparative Culture), U of California, Irvine, CA
Quantitative Aspects of Social Phenomena (Engineering Science), George Washington U, DC
The Psychologist Looks at Humanistic Psychology (Psychology), U of Evansville, IN
Readings in Philosophy of Science (Philosophy), Kean College of New Jersey, NJ
Reality and Perception in Science (Non-Disciplinary Science), St. Lawrence U, NY
Scientific and Experimental Evidence (Law, Science and Medicine), Yale Law School, CT
Science and Human Values (Philosophy), Simpson College, CA
Scientific Philosophy of Science (Values, Technology, Society), Stanford U, CA
Time and Change in Nature (Natural Science), Michigan State U, MI
Uses and Abuses of Scientific Theories (College of Letters), Wesleyan U, CT

Science, Technology, and Public Policy

All University Seminar on Technology and Public Policy (Aerospace Engineering), U of Colorado, CO
Alternative Technology and Development (Social Management of Technology), U of Washington, WA
Appropriate Technology (History and Political Science), Rensselaer Polytechnic Institute, NY
Biochemistry and Society (Biochemistry), U of California, Berkeley, CA
Humanities and Public Policy Seminars, Walter J. Raymond (Social Science), Saint Paul's College, VA
Impact and Control of Technological Change (City and Regional Planning/Government/Economics), Cornell U, NY
International Management Institute (IMI), Peter A. Fraile, S.J. (International Management Institute), U of Detroit, MI
International Science and Technology Policy (Graduate School of Public Affairs), U of Washington, WA
Law and a Technological Society (Law), Arizona State U, AZ
Law, Technology and Society (Law School), U of Wisconsin, WI
Legal, Ethical and Scientific Issues in Industrial Regulation (Technology Studies Program), Massachusetts Institute of Technology, MA
Nuclear Policy and Diplomacy (Humanities), Air Force Institute of Technology, OH
Peace and War in the Nuclear Age (University Studies), North Carolina State U, NC
Politics of Science and Technology (Political Science), Arizona State U, AZ
Politics of Science and Technology (Political Science), State U of New York at Buffalo, NY
Politics, Science, and Public Policy (Political Science), U of Toledo, OH
Program in Policy Studies (proposal stage), Irving J. Spitzberg, Jr. (The Colleges), State U of New York at Buffalo, NY

Relation of Complex Organizations to the Extension of Scientific Knowledge and Technological Change (Technology Studies Program), Mount Holyoke College, MA
Relativism, Society, and New Politics (Environmental Sciences), U of Wisconsin, Green Bay, WI
Science and the Citizen (University Course), Auburn U, AL
Science and the Citizen (Biology), Jamestown Community College, NY
Science, Technology and Politics (Political Science), Indiana U of Pennsylvania, PA
Science, Technology, and Public Policy (Social Sciences), Clarkson College, NY
Science, Technology, and Public Policy, (Political Science), U of Wisconsin, Milwaukee, WI
Science, Technology and the Citizen (Natural Science/Math), Macon Junior College, GA
Scientists and the Politics of Technology (Science, Ethics and Public Policy), Carleton College, MN
Societal Systems: Planning, Policy and Complexity (Technology and Public Policy Program), Vanderbilt U, TN
Society and Technological Decisions (Engineering/Interdisciplinary), U of Idaho, ID
Socio-Economic Consequences of Technology (Humanities/Social Studies), U of Washington, WA
Studies in Public Policy: National Defense, William J. Stover (Political Science), U of Santa Clara, CA
Technology and Policies Concerning Growth (Technology/Engineering Sciences), Dartmouth College, NH
Technology and Public Policy (Political Science), U of Texas, El Paso, TX
Technology and the Poor Countries (Political Science), U of California, San Diego, CA
Technology as a Social and Political Phenomenon (Social Management Technology), U of Washington, WA
Technology, Politics and American Society (Political Science), U of Wisconsin, Milwaukee, WI
Theories of Technological Society and Politics (Technology Studies Program), Massachusetts Institute of Technology, MA
Topics in Technology and Public Policy: Technology and Public Policy in the Courts (Political Science), U of Wisconsin, Milwaukee, WI
Topics of Current Significance in Science and Public Policy (Chemistry/Political Science), Memphis State U, TN

Technology Assessment

Multi-Institutional Technology Assessment (Mechanical Engineering, Humanities, Social and Life Sciences), Rose-Hulman Institute of Technology, IN
Technology Assessment (Engineering), Michigan State U, MI
Technology Assessment (Chemistry), Northland College, WI
Technology Assessment (Mechanical Engineering, Humanities and Social Sciences), Rose-Hulman Institute of Technology, IN
Technology Assessment (Engineering), U of Kansas, KS
Technology Assessment: Methods and Analysis, I (Social Management Technology), U of Washington, WA
Technology Assessment: Methods and Analysis,II (Social Management Technology), U of Washington, WA
Technology Assessments (Honors), New Mexico State U, NM
Topics in Technology and Public Policy: Technology Assessment (Political Science), U of Wisconsin, Milwaukee, WI

World Futures

Analysis of World Futures Models (Institute of Technology), U of Minnesota, MN
Creating the Future (Social Management Technology), U of Washington, WA
The Future (Social Science), Central Florida Community College, FL
The Future (Integrated Sequence), Davis and Elkins College, WV
Future Studies (Political Science), Gannon College, PA
Philosophy and the Future of Man (Philosophy), Mercy College, NY
Prophets of Doom (Philosophy), U of Wisconsin, Milwaukee, WI
Seminar on the Future (Social Welfare-Rehabilitation), Federal City College, DC
The United States In 2001 (Physics), Central Methodist College, MO
Values and the Future (Philosophy), College of St. Scholastica, MN

2. ENVIRONMENTAL CONCERNS

Environment and Society

Colloquium on the Crisis in the Environment (Zoology), Oklahoma State U, OK
Conduct of Science and Technology (Chemistry), Eckerd College, FL
Contemporary Environmental Controversies I and II (Environmental Studies), Hood College, MD
Don't Forget: Nature Bats Last (Biology), Warren Wilson College, NC
Drama of Man and Nature (Biology), Westfield State College, MA
Environment and Man (General Studies), North Central College, IL
Environment and Man (Biology), Texas Eastern U, TX
Environment and Man (Biology), Winthrop College, SC
Environment and Man Field Studies (Biology/Sociology), Winthrop College, SC
Environment Appreciation (Botany), Weber State College, UT
Environment: Natural Resources, Conservation and Pollution (Environmental Studies), Santa Barbara City College, CA
Environmental Affairs (EA), Harry Schwarz, Clark U, MA
Environmental Education, Gail Haslett and Richard James (Schuylkill Valley Nature Center), Beaver College, PA
Environmental Issues (Biology/Geography/Humanities), George Washington U, DC
Environmental Issues (Biology/Economics), Spokane Falls Community College, WA
Environmental Problems (Biochemistry), Alvernia College, PA
Environmental Problems and Management (Natural Sciences), Iona College, NY
Environmental Program, Philip E. Ode (Environmental Studies), Thiel College, PA
The Environmental Spectrum (GED),Robert N. Ford (General Education), Millersville State College, PA
Environmental Studies (MST Program), Ty G. Minton, Antioch/New England Graduate School, NH
Environmental Studies, P. A. Buscemi (Interdisciplinary Environmental Institute), Eastern New Mexico U, NM
Environmental Studies, Carl Bruner, Kutztown State College, PA
Environmental Studies, Phil G. Olsen (Earth Science), Santa Barbara City College, CA
Environmental Studies, Ronald F. Kujanski (Science Division), Simon's Rock Early College, MA
Environmental Studies, Langley Wood (Environmental Studies), Sweet Briar College, VA
Environmental Studies, Baird Callicott/Richard Christofferson (Philosophy), U of Wisconsin, Stevens Point, WI
Environmental Studies (Biology), Yakima Valley Community College, WA
Environmental Studies I and II (Psychology), State U of New York, Geneseo, NY
Environmental Studies Concentration, Terrence G. Marsh (Biology), North Central College, IL
Environmental Studies Minor, Dale Fatzinger (Geography), U of Wisconsin, Platteville, WI
Environmental Studies Minor, Robert H. Claxton (Environmental Studies), West Georgia College, GA
Environmental Studies Program, Jack Smith (Environmental Studies), Johnson State College, VT
Environmental Studies Program, Sister Maura Smith, Mercyhurst College, PA
Environmental Studies Program, John N. Phillips (Philosophy), Saint Cloud State U, MN
Environmental Studies Program, Melvyn D. Yessenow (Psychology), State U College, Geneseo, NY
Environmental Technology, Ron Bonnstetter (Science-Math), Iowa Lakes Community College, IA
Geographic Analysis of Social Issues (Earth Sciences), Metropolitan State College, CO
Historical Architecture (Engineering), Florida Technological U, FL
Honors Seminar in Human Geography: Historical Background of Environmental Problems (Geography) U of Wisconsin, Milwaukee, WI
Honors Seminar in Sciences and Mathematics (Science), Morehead State U, KY
Intro Case Studies (Science, Technology, Society), Clark U, MA
Introduction to Environmental Studies (Environmental Education), Beaver College, PA
Introduction to Environmental Studies (General Education), Eastern New Mexico U, NM
Introduction to Environmental Technology (Institute of Technology), U of Minnesota, MN
Man and Environment (Biology), Central Missouri State U, MO
Man and Environment (Engineering), Florida Technological U, FL
Man and Environment (History/Political Science), Georgia College, GA
Man and His Environment (Natural Science), McPherson College, KS
Man and His Environment (Biology), California State U, Long Beach, CA
Man and His Environment (Biology), Clarkson College, NY

Man and His Environment (Biology), Illinois Valley Community College, IL
Man and His Environment (Biology), Rhode Island Junior College, RI
Man and His Environment (Geology), State U of New York, College at Cortland, NY
Man and His Physical Environment (Physics), Muscatine Community College, IA
Man and the Environment (Biology), The College of Charleston, SC
Man and the Environment (Environmental Science), Holyoke Community College, MA
Man the the Environment (Biology), Northern State College, SD
Man and the Environment (Biology), U of Maine at Farmington, ME
Man and the Environment (Environmental Science), Villa Maria College, PA
Man, Environment and Pollution (Agriculture/Ecology), U of Arkansas at Pine Bluff, AR
Man in Nature (Religious Studies), U of San Francisco, CA
Man's Environmental Crisis (Social Science/Biology/Natural Resources), San Juaquin Delta College, CA
Man's Impact on Nature (Environmental Studies), Santa Barbara City College, CA
Man's Perceptions of His Environment (History), Clark U, MA
Modern Practical Science (Physical Science), Lander College, SC
Poilution in Japan (Values, Technology, Society), Stanford U, CA
The Population Problem (Economics), Amherst College, MA
Population Problems (Economics), Oklahoma State U, OK
Population, Resources and Environment (Biology), Bradley U, IL
Program in Environmental Studies, James J. Gilford (Biology), Hood College, MD
Quality of Life (CORE), Whitworth College, WA
Science and Non-Science: Comparative Perspectives (College of Science in Society), Wesleyan U, CT
Science, Society, and the Environment (Chemistry), Cardinal Stritch College, WI
Science and Society (Biology), State U of New York Agricultural and Technical College, NY
Science, Technology and Environment (STE), Myran J. Lunine (Western College), Miami U, OH
Science, Technology and Man (Anthropology/Biology), Westminster College, MO
The Surrounding World: Technology and the Environment and Related Courses (Philosophy), State U of New York at Stony Brook, NY
Technology and the Environment (Science and Technology), Loyola Marymount U, CA

Environmental Science

Air and Water Pollution (Geological Science), California State U, Long Beach, CA
Engineering for Noneingineers (Engineering), Villanova U, PA
Environmental Engineering (Civil Engineering), U of Houston, TX
Environmental Pollution (University), Western Illinois U, IL
Environmental Science (Science), Clayton Junior College, GA
Environmental Science, Miles D. Mackey (Ecology), College of the Redwoods, CA
Environmental Science (Ecology), College of the Sequoias, CA
Environmental Science (Life Science), Northwest Community College, WY
Environmental Science (Natural and Math Science), Seattle Pacific College, WA
Environmental Science/Politics of Environment (Biological/Political Science), Delta College, MI
Environmental Sciences, John V. Aliff (Political Science), Georgia College, GA
Environmental Sciences Major, Sr. J.P. Tilmann (Environmental Science), Aquinas College, MI
Environmental Studies (Biology/Chemistry/Physics), Benedictine College, KS
Physical Approach to Environmental Science (Physics), U of Wisconsin, Stevens Point, WI
Physical Processes in the Atmosphere (Physics), U.S. Air Force Academy, CO

Ecology/Environmental Biology

Advanced Topics in Behavioral Ecology (Psychology), U of Houston, TX
Animal Ecology (Biology), U of Southwestern Louisiana, LA
Biological Aspects of the Environmental Crisis (Biology and Environment), Western Connecticut State College, CT
Biological Issues in Human Ecology (Zoology-Entomology), Auburn U, AL
Biology Seminar in Environmental Problems (Biology), Middle Tennessee State U, TN
Biosphere and Biosurvival (Life Science), San Diego City College, CA
Contemporary Problems in Ecology (Biology), Tennessee State U, TN
Current Topics in Social Biology (Biology), Community College of the Finger Lakes, NY
Ecology and Man (Biology), Northern Michigan U, MI

Ecology, Technology and Society (Social Science and Mechanical Engineering), U of Minnesota, MN
Environmental Biology (Biology), Cardinal Stritch College, WI
Environmental Biology (Biology), North Central College, IL
Environmental Biology (Life Sciences), San Diego City College, CA
Environmental Biology (Biology), Spokane Falls Community College, WA
Environmental Biology (Biological Science), Waubonsee Community College, IL
Environmental Field Studies (Environmental Studies and Biology), Santa Barbara City College, CA
Environmental Microbiology (BioSciences), U of Southern California, CA
Environmental Studies (Biology), St. Francis College, PA
Environmental Toxicology (Biology), California State U, Long Beach, CA
Fundamentals of Ecology (including Laboratory) (Renewable Natural Resources), Texas A & M U, TX
Human Ecology (Environmental Education), Beaver College, PA
Human Ecology (Biology), California Polytechnic State U, CA
Human Ecology (Biology), California State U, Fresno, CA
Human Ecology (Sociology), Indiana U at Fort Wayne, IN
Human Ecology (Biology), Suffolk County Community College, NY
Human Ecology (Biology), U of Missouri, Kansas City, MO
Human Ecology (Biology), Wells College, NY
Human Ecology Dimension (HED), Patricia Packard (Extradepartmental), College of Idaho, ID
Human Ecology: Man's Place in Nature (Biology), California State U, Northridge, CA
The Human Environment (Biology), Essex Community College, MD
Introduction to Ecology (Natural Sciences), Shelby State Community College, TN
Issues in Human Ecology (Biology and Sociology), Concordia College, NY
Life, Its Environment (Natural Science), Michigan State U, MI
Man and Biological Environment (Biology), California State U, Los Angeles, CA
Marine Microbiology (Microbiology), U of Southwestern Louisiana, LA
Metaphor, Environment, and Society (Technology and Society), University of the Pacific, CA
Microbes and Man (Microbiology), U of Southwestern Louisiana, LA
Plant Ecology (Biology), U of Southwestern Louisiana, LA
Principios de la Ciencia and Ecologia Humana (Science), U of the Pacific, CA
Quantitative Ecology (Biology), U of Southwestern Louisiana, LA
Special Topics in Environmental Biology (Biology), Clarkson College, NY
Topics in Biology (Biology), Middle Tennessee State U, TN
Topics in Suburban Ecology (College of Science in Society), Wesleyan U, CT
Wilderness, Ecology, and the History of American Conservation (History), Bard College, NY

Environmental Chemistry

Chemistry and Man's Environment (Chemistry), Mount Mary College, WI
Chemistry and the Environment (Chemistry and Natural Science), Bard College, NY
Chemistry with Global Perspectives (Chemistry), Bates College, ME
Environmental Chemistry (Chemistry), Pomona College, CA
Environmental Chemistry, Lecture and Lab (Chemistry), Fairleigh Dickinson U, NJ
Herbicide Science (Agronomy Crop Science), Oregon State U, OR

Geosciences and the Environment

The Air Environment (Environmental Studies), Santa Barbara City College, CA
Coastal Zone Management Seminar (STS), Clark U, MA
Coastal Zone - Problems and Solutions (Geoscience), Jersey City State College, NJ
Cultural Geography (Geography), Colgate U, NY
Earth and Atmospheric Sciences (Environmental Education), Beaver College, PA
The Earth and Man, (Geography/Geology), Christopher Newport College, VA
Environment and Land Use (SL), Wayne State U Law School, MI
Environmental Geography (Geology), U of Illinois at Chicago Circle, IL
Environmental Geology (Geology), California State U, Los Angeles, CA
Environmental Geology (Geology), U of North Carolina, NC
Environmental Geology (Geology), U of Wisconsin, Oshkosh, WI
The Future of the Oceans (Oceanography/Political Science), U of California, San Diego, CA
Geography of Natural Hazards (Geography), Southern Illinois U at Carbondale, IL
Geological Planning and the Quality of Man's Environment (Geology), U of South Alabama, AL
Geology and Human Affairs (Geology), U of Toledo, OH
Geology and Man (Geosciences), Monroe Community College, NY

Geology and Man (Earth Sciences), Tulane U, LA
Introduction to Behavioral Geography (Geography), U of Illinois at Chicago Circle, IL
Introduction to Cultural Geography (Geography), U of Illinois at Chicago Circle, IL
Introduction to Environmental Geology (Geology), U of Illinois at Chicago Circle, IL
Man's Impact on the Natural Landscape: Geographical and Historical Perspectives (Geography), U of Wisconsin, Milwaukee, WI
Maritime Geography and Geography of the Oceans (Geography), Christopher Newport College, VA
The Oceans and Man (Natural Science), Eckerd College, FL
Oceans: Our Continuing Frontier (Oceanography and Humanities), U of California, San Diego, CA
Our Hazardous Environment (Geography), U of Wisconsin, WI
Principles of Land Use (Geography), Metropolitan State College, CO
Problems in Environmental Geology (Earth Science), California State U, Hayward, CA
Seminar in the Dynamics of Climate and Society (STS), Clark U, MA
Soils and Land Use (Soil Science), Oregon State U, OR
Soils and Men (Soil Science), Oregon State U, OR
Topics in Geology--"Politics, Minerals and Survival" (Geology), U of Minnesota, Duluth, MN

Natural Resources Management

Conservation of Natural Resources (Natural Science), Blue Ridge Community College, VA
Conversation of Natural Resources (Biology), U of Southwestern Louisiana, LA
Conservation of Natural Resources (Geography), U of Wisconsin, Platteville, WI
Conservation of Natural Resources (Plant and Earth Science), U of Wisconsin, River Falls, WI
Decision-Making and Resource Management (Geography), U of Illinois at Chicago Circle, IL
Ecology and Conservation of Renewable Natural Resources (Range and Wildlife Management), Texas Tech U, TX
Economics of Resource Management (Economics), Georgia College, GA
Environmental Conservation (General Science), Shepherd College, WV
Environmental Conservation (Geography), U of Wisconsin, Madison, WI
Environmental Management (Land Arch), U of Wisconsin, Madison, WI
Environmental Management: Concepts, Issues and Processes (Civil Engineering), Massachusetts Institute of Technology, MA
Minerals, Non-Renewable Earth Resources, and Man (Values, Technology, Society), Stanford, U, CA
Natural Resources Energy (Environmental Studies), Santa Barbara City College, CA
Natural Resources Planning (Geography), Southern Illinois U at Carbondale, IL
Natural Resources Policy (Agricultural and Resource Economics), Oregon State U, OR
Natural Resources Politics (Political Science), U of Houston, TX
Optimization Applied to Environmental Management (Engineering Sciences), Dartmouth College, NH
Policy Development and Administration: Natural Resources (Graduate School of Public Affairs), U of Washington, WA
Principles of Wildlife Conservation (Fisheries and Wildlife), Oregon State U, OR
Resource Management and Conservation (Geography), Villanova U, PA
Resources and Man (Geological Science), California State U, Long Beach, CA
Resources and Man: Conservation (Geography), State U of New York at Oswego, NY
Resources of Earth (Raymond College), U of the Pacific, CA
Science and the Human Environment (Natural Science), U of Scranton, PA
A Search for the Recognizable Goals and Constraints of the Steady State Earth (Introductory), U of Minnesota, MN
Technology and Environmental Conservation (Technology/Engineering Sciences), Dartmouth College, NH
Technology and Human Needs (Engineering Science), George Washington U, DC
Technology, Resources and Welfare (Economics) Brandeis U, MA
Wildlands Conservation Ecology (Wildlands Biology) Chaffey College, CA
Wildlife Management of Furbearers and Waterfowl (Biology), U of Southwestern Louisiana, LA
Wildlife Management of Upland Game (Biology), U of Southwestern Louisiana, LA
Workshop in Environmental Management (Special Themes), Brown U, RI
World Resources (Geography), Metropolitan State College, CO

Energy

Alternative Energy Sources (Natural Sciences), Bard College, NY
Alternative Energy Systems Laboratory (STS), Clark U, MA
Energy (Physics), Amherst College, MA
Energy and Environment (Physics), George Mason U, VA

Energy and Environment (Physics), Western Illinois U, IL
Energy and Humanity (Physics), U of South Florida, FL
Energy and Man (Physics), Central College, IA
Energy and Man (Engineering), Florida Technolgical U, FL
Energy and Society (STS), Clark U, MA
Energy and Society (Physics), U of Arkansas, AR
Energy and the Environment (University Course), U of Oklahoma, OK
Energy Crisis (Physics), U of Arkansas at Little Rock, AR
Energy: Demands, Resources, Impact, Technology and Policy (Science, Technology and Public Affairs) U of California, San Diego, CA
Energy, Environment, Economics: American Dilemma (Interdisciplinary), U of Scranton, PA
Energy: From Nature to Man (Values, Technology, Society), Stanford U, CA
Energy, Molecules, and Life: A Humanistic Approach to Chemistry (Chemistry), The Catholic U of America, DC
Energy: Non-Nuclear Energy Technologies (Science, Technology and Public Affairs), U of California, San Diego, CA
Energy: Nuclear Energy Technologies (Science, Technology and Public Affairs), U of California, San Diego, CA
Energy, Power, and Society (Natural Science and Technology), U of Minnesota, MN
Energy, Society and the Environment (Mechanical Engineering), U of California, CA
Energy, Technology and Man (Physics), Earlham College, IN
Energy, Technology and Man (College of Arts and Sciences), Eastern Kentucky U, KY
History of Nuclear Engineering: A Case Study in the Interaction Between Technology and Society (Technology Studies Program), Massachusetts Institute of Technology, MA
Law and Energy (Law), Arizona State U, AR
The Nature of Energy (Physics), Contra Costa College, CA
Nuclear Energy (General Studies), Rhode Island College, RI
Physics and the Environment (Physics), Indiana U of Pennsylvania, PA
Seminar: Energy Resources and Policy (Technology and Public Policy Program), Vanderbilt U, TN
Seminar in Alternative Technology (Technology Studies Program), Massachusetts Institute of Technology, MA
Seminar on Nuclear Power (STS, Geography and Government), Clark U, MA

Agriculture, Food, and Society

Agricultural Pollution Control (Agricultural Engineering), Oregon State U, OR
Agriculture and Man (General Agriculture), Oregon State U, OR
Agriculture and the Environment (Biology), Wells College, NY
Economics of Environmental Quality as Related to Agriculture (Agricultural Economics), Texas A & M U, TX
Food and Man (Food Science and Technology), Oregon State U, OR
Food and Man (Biochemistry and Biophysics), Texas A & M U, TX
Food in Contemporary Society (Food Science), U of Tennessee, Knoxville, TN
Geographical Aspects of Environmental Quality (Geography), U of Maryland, MD
Man and Food (Multidiscipline subject), West Virginia U, WV
Nutrition and World Food Problems (Home Economics and Consumer Studies), Brooklyn College, NY
Nutritional Biochemistry (BioScience), U of Southern California, CA
Psychosocial Aspects of Foods and Nutrition (Home Economics), Central Michigan U, MI
World Food Crisis (Philosophy), Marymount Manhattan College, NY
World Population and Food Prospects (University Studies), North Carolina State U, NC

Urban Studies

The American City: An Ecology (Raymond College), U of the Pacific, CA
Community Systems (Engineering Sciences), Dartmouth College, NH
Cultural Dimensions of Urban Design (Anthropology), U of Wisconsin, Milwaukee, WI
Ecology of the Urban Environment (Biology), California State U, Los Angeles, CA
Growth and Structure of Urban Environments (Technology Studies Program), Massachusetts Institute of Technology, MA
Perspectives in American Urban Technology (History), U of Wisconsin, Milwaukee, WI
Planning Process Seminar (Urban Affairs), Hunter College of City U of New York, NY
Seminar in Technology and the City (Urban Studies), U of Alabama in Birmingham, AL
Topics in Urban Development (Engineering), Florida Technological U, FL

The Urban Crisis (University Studies), North Carolina State U, NC
Urban Spatial Relations (Geography), U of Houston, TX
Utopias and New Communities (History), California State College-Dominguez Hills, CA

Environmental Policymaking

Advanced System Dynamics Seminar (Engineering), Dartmouth College, NH
Air Pollution Control (Chemical Engineering), Brigham Young U, UT
Alternative Structures and Comparative Models (Engineering), Dartmouth College, NH
Approaches to Environmental Policy (Environmental Studies), Sweet Briar College, VA
Architecture, Planning and Human Values (Raymond College), U of the Pacific, CA
Community and Regional Planning, Hans Bleiker (Geography), U of Wyoming, WY
Consumerism in Theory and Action (Home Economics and Consumer Studies), Brooklyn College, NY
Consumer Science (Physics), Middlesex County College, NJ
Contemporary American Political Thought (Political Science), Muhlenberg College, PA
Cost-Benefit Analysis and Economic Methodology (Economics), U of Washington, WA
Ecologic Dimensions of Environmental Impact Assessment (Wildlife Ecology), U of Wisconsin, WI
Economics of Technology (Economics), U.S. Naval Academy, MD
Energy and Public Policy (Politics and Public Policy; Electrical Engineering), Northeastern U, MA
Energy Technology and Public Policy (Social Management of Technology), U of Washington, WA
Engineering for New Priorities (Institute of Technology), U of Minnesota, MN
Environmental Decision Making (Institute for Environmental Studies), U of Wisconsin, Madison, WI
Environmental Law (Law), U of Houston, TX
Environmental Law Clinic (Law), U of Houston, TX
Environmental Law: Land Use and the Siting of Facilities (Engineering), Massachusetts Institute of Technology, MA
Environmental Law: Pollution Control (Civil Engineering), Massachusetts Institute of Technology MA
Environmental Plans and Programs (Environmental Affairs), Clark U, MA
Environmental Policy (Political Science), State U of New York at Buffalo, NY
Environmental Protection (Environmental Affairs), Clark U, MA
Field Work in Energy Planning (College of Science in Society), Wesleyan U, CT
Foundations for Safety in the Modern Society (Education), New York U, NY
Government, Politics and the Environment (Political Science), Indiana State U, IN
International Control of the Environment (Government/Environmental Studies), Sweet Briar College, VA
International Environmental Decisions and Actions (Senior University Seminars Program), U of Wisconsin, Green Bay, WI
International Relations in an Age of the Global Environment (Political Science), Muhlenberg College, PA
Land Use, Dixon Smith (Geography), Metropolitan State College, CO
Land Use and Planning, J.E. Bugh and J.L. Fauth (Geology), State U College at Cortland, NY
Legal Aspects of Pollution Control (Chemistry), Fairleigh Dickinson U, NJ
Limits to Growth (Biology), South Dakota State U, SD
Modeling Consumer Choices (Engineering), Dartmouth College, NH
Planning as Applied Science: A System's Approach (College of Science in Society), Wesleyan U, CT
Planning Sociotechnical Systems (Civil Engineering), Massachusetts Institute of Technology, MA
Planning Theory II; Responsive and Responsible Decision Making by Public Agencies (Geography), U of Wyoming, WY
Political and Economic Environmental Studies (Environmental Studies/Economics), Santa Barbara City College, CA
Pragmatic Naturalism and American Social Policy (Philosophy), George Washington U, DC
Principles of Systems Dynamics (Engineering Sciences), Dartmouth College, NH
Public Interest Environmental Law (Law), Wayne State U Law School, MI
The Public Issues of Nuclear Power (Institute of Technology), U of Minnesota, MN
Seminar on Socio-Technical Models (Engineering), Dartmouth College, NH
Social Impact Assessment of Engineering Systems (Civil Engineering), Massachusetts Institute of Technology, MA
The Technological Society and the Limits to Growth (Integrated Studies), Pacific Lutheran U, WA
Technology Planning I, II (Public Affairs), U of Minnesota, MN
Values, Planning, and the Environment (Environmental Studies), Antioch/New England Graduate School, NH

3. HEALTH CARE

Health Care

Center for Humanities and Medicine, Walter J. Freidlander, M.D., U of Nebraska Medical Center, NE
Culture and Therapy (Technology Studies Program), Massachusetts Institute of Technology, MA
Drugs in our Society (Biological Sciences), U of Illinois at Chicago Circle, IL
Emphasis in Health Planning, Donald A. Sweeney (Urban and Regional Planning), Texas A & M U, TX
Engineering in Health Care (Engineering), California State U, Sacramento, CA
Ethical Decision Making in Pediatrics and Surgery, Daniel Candee (Pediatrics), State U of New York, Downstate Medical School, NY
Family Studies, Wilson Yates/Clyde Steckel, United Theological Seminary, MN
Georgetown University Family Center, Murray Bowen, M.D., Georgetown U Medical Center, DC
Global Community Health (Family and Community Medicine), U of Arizona, AZ
Government Health Services-Trends-Law (Medical Record Administration), Saint Louis U, MO
Graduate Program in Health Care Administration, James O. Hepner, Washington U, MO
Health and the Law (Dynamics of Law Applied to Health) (Allied Health), Essex Community College, MD
Human Behavior and Development (Medicine), U of Arizona, AZ
Human Values and Medical Ethics, Charles B. Moore, M.D. (Medicine), Tulane U, LA
Introduction of Medical Anthropology (Anthropology/Health Science), U of Delaware, DE
Introduction to Medicine (Medical Sciences Teaching Labs), U of North Carolina Medical School, NC
Introduction to Patient Care I (College of Medicine), Howard U, DC
Legal and Social Forces in Nursing (Nursing), U of Wisconsin, Madison, WI
Legal Aspects of Medicine (Law and Medicine), U of Maryland School of Medicine, MD
Literary Perspectives for Health Science Students (English), Creighton U, NE
Medical Anthropology: The Culture of Health and Illness (Anthropology), U of Illinois at Urbana-Champaign, IL
Medicalization of Life and Death: An Anthropological Perspective (Anthropology), Michigan State U, MI
Medical Sociology (Social Sciences), Alfred U, NY
Medical Sociology (Sociology), Bradley U, IL
Medical Sociology (Sociology), California State U, Fresno, CA
Nursing (Nursing), San Antonio College, TX
Patient Counseling, A Patrick L. Prest, Jr. (School of Allied Health Professions), Medical College of Virginia, VA
The Physician as a Personal Counselor (School of Medicine), Medical College of Virginia, VA
Politics and the Health Sciences (Political Science), Creighton U, NE
Politics of Health Care Delivery (Political Science/Health Science), U of Delaware, DE
Problems and Issues in Nursing (Nursing), Mineral Area College, MO
Religious Issues in Medical Ethics (Religious Studies), Indiana U, IN
Societal Concerns in Medical Care (Interdisciplinary), U of Louisville School of Medicine, KY
Society and Health Care in American History (History of Medicine), U of Wisconsin, WI
Society and the Health Professions (Health and Life Sciences), U of Delaware, DE
Sociology and Mental Illness (Sociology), Bradley U, IL
Sociology of Health Care (Sociology and Health Science), U of Delaware, DE
Sociology of Medicine (Sociology), Rensselaer Polytechnic Institute, NY
Survey of Health Planning: Planning and Programming Health Care Delivery Systems (Urban and Regional Planning), Texas A & M U, TX
Teaching and Evaluating the Affective Domain, Dorothy E. Reilly (Nursing), Wayne State U, MI
Value and Belief Systems in Social Work Practice (Social Work), U of Wisconsin, WI

History of Medicine

Health, Medicine and America's Past (History), Creighton U, NE
Historical and Legal Influence in Nursing (Nursing), California State U, Fresno, CA
History and Philosophy of the Biomedical Sciences (Institute for the Medical Humanities), U of Texas Medical Branch, TX
History of Medicine (History), U of Illinois at Urbana-Champaign, IL

History of Medicine (Allied Health Sciences), U of Texas Health Science Center at Dallas, TX
History of Medicine (Pathology), Wake Forest U, NC
History of the Use and Misuse of Psychoactive Drugs (Pharmacy and History of Science), U of Wisconsin, Madison, WI
Independent Readings in History of Medicine (BC), U of Texas Health Science Center at Dallas, TX
Medical History I & II (Center for Humanities and Medicine), U of Nebraska Medical Center, NE
Medicine and Magic & History of the Health Sciences (History), Purdue U, IN
Social History of European Public Health (History and Health Science), U of Delaware, DE

Aging/Gerontology

Aging: A Study of [illegible] Services (Home Economics and Consumer Studies), Brooklyn College, NY
Aging and Human [illegible]ontology), Virginia Commonwealth U, VA
The Family Life Cycle [illegible]lder Adult (Home Economics) Central Michigan U, MI
Gerontology, Barbara [illegible]hel and Charles O'Donnell (Arts and Science), Iona College, NY
Health and Aging (Physical [illegible] and Health Science), Ball State U, IN

Death and Dying

Attitudes Towards Death (History), Winona State College, MN
Control of Life and Death (Religion), Alverno College, WI
Creative Ways of Handling Death and Grief (Experimental College), California State U, Fresno, CA
Death (Philosophy), U of Illinois at Chicago Circle, IL
Death and Dying (Health Science), Ball State U, IN
Death and Dying (Religion), Drake U, IA
Death and Dying (Education), Oakland U, MI
Death and Dying (Humanities, Philosophy, Religion), Oklahoma State U, OK
Death and Dying (Philosophy-Nursing), Southern Illinois U at Edwardsville, IL
Death and Dying (Religious Studies), St. Vincent College, PA
Death, Dying and Berevement (Interdisciplinary Studies), U of Topeka, KS
Death: Experience, Meaning, Problems (Philosophy), Trinity College, DC
Death Studies, Marlo M. Pardi (Applied Anthropology), Polk Community College, FL
Dying and Death (Philosophy), Bellevue College, NE
Dying in America: Social and Psychological Perspectives (Sociology/Psychology), Gustavus Adolphus College, MN
Introduction to Death III, Death Lab/Seminar (Anthropology), Polk Community College, FL
Life vs. Death: Euthanasia (Biology, Philosophy, Religious Studies, Humanities), U of Wisconsin, Stevens Point, WI
The Meaning of Life in Bioethical Issues (ST TT), Boston U, MA
Moral Issues of Life and Death (Philosophy), U of Washington, WA
Myth and Symbols of Death and Dying (Religion), U of Southern California, CA
Perspectives on Death (Psychology and Philosophy), Mercy College, NY
Perspectives on Death and Dying (Social Sciences), City U of New York, Queensborough Community College, NY
The Philosophy and Dynamics of Suicide (Philosophy), State U of New York, College at Fredonia, NY
Philosophy of Death and Dying (Philosophy), Bowling Green State U, OH
Psychological and Religious Dimensions of Death and Dying (Interdisciplinary), Iona College, NY
Sociology of Death and Dying (Sociology), Baldwin-Wallace College, OH
Sociology of Death and Dying (Sociology); West Georgia College, GA
Thanatology (Death and Dying), (Continuing Education-Nursing), Mohawk Valley Community College, NY
Thanatology (Philosophy), U of South Alabama, AL
Thanatology--Perspectives on Dying and Death (Philosophy), Blue Ridge Community College, VA

4. CONTEMPORARY MORAL AND ETHICAL PROBLEMS

Applied Ethics (Philosophy), U of California, Berkeley, CA
Behavior Control and Human Values (Psychology), Lehigh U, PA
Being an Anthropologist: Fieldwork, Ethics and Social Issues (Anthropology), Johns Hopkins U, MD
Christian Ethics (Religion), Sweet Briar College, VA
Christian Ethics and Current Social Problems (Religious Studies), Salve Regina College, RI
Christianity and Social Crisis (Religion), Pacific Lutheran U, WA
Contemporary Ethical Issues (Philosophy), Grinnell College, IA
Contemporary Ethical Problems (Philosophy), College of Alameda, CA
Contemporary Ethical Problems (Philosophy), Loyola Marymount U, CA
Contemporary Moral Issues (Philosophy), U of Wisconsin, WI
Contemporary Moral Issues (Philosophy), Texas A & M U, TX
Contemporary Moral Issues (Philosophy), U of Wisconsin--Madison, WI
Contemporary Moral Problems I & II (Religious Studies), Fairfield U, CT
Contemporary Moral Problems (Religion), La Salle College, PA
Contemporary Moral Problems (Philosophy), Mount St. Mary's College, CA
Contemporary Moral Problems (Philosophy), State U of New York College at Cortland, NY
Contemporary Moral Problems (Philosophy), U of Texas at Austin, TX
Contemporary Topics Courses, Samuel Schrage (Chemistry), U of Illinois at Chicago Circle, IL
Current Moral Problems (Philosophy), West Virginia U, WV
Decisions and Ethical Systems (Philosophy), Mt. St. Mary College, NY
Ethical Decisions (Philosophy), Mt. St. Mary College, NY
Ethical Problems in Contemporary Society (Philosophy), State U of New York College at Fredonia, NY
Ethics (Philosophy), Bowling Green State U, OH
Ethics (Philosophy), Georgetown College, KY
Ethics (Philosophy), Louisiana State U at Shreveport, LA
Ethics (Philosophy), Mississippi U for Women, MS
Ethics (Philosophy), U of New Orleans, LA
Ethics (Philosophy), U of Tampa, FL
Ethics--The Simple Life (Philosophy), Blue Ridge Community College, VA
Ethics in Social Research (Sociology), U of South Florida, FL
Externship Seminar in Law and Medicine (Law), Indiana U, IN
General Philosophy (Philosophy), U of Bridgeport, CT
Human Population Problems (Biology), Trinity College, DC
Introduction to Ethics (Philosophy), Alabama State U, AL
Introduction to Psychological Methods (Psychology), California State College, Stanislaus, CA
Issues and Values (General Studies), Berea College, KY
Law and Medicine I: Control of Research and Therapy (Law), Yale Law School, CT
Law and Medicine II: Informed Consent (Law), Yale Law School, CT
Man and Society: Contemporary Moral Issues (Humanities), Clarkson College of Technology, NY
Medical-Ethical Problems in Christian Perspective (Religious Studies), Spalding College, KY
Medical Ethics (Theology), Creighton U, NE
Medical Ethics and the Humanities (Center for Humanities and Medicine), U of Nebraska Medical Center, NE
Moral and Political Dilemmas in Science and Medicine (Biology/Philosophy), Mercy College, NY
Moral Choices in Contemporary Society (Philosophy), Louisiana State U at Shreveport, LA
Moral Choices in Contemporary Society (University College), U of Maryland, MD
Moral Choices in Contemporary Society (Sociology), Louisiana State U, LA
Moral Choices in Contemporary Society (Humanities or Philosophy), U of California, San Diego, CA
Moral Choices in Contemporary Society (Humanities or Philosophy), U of California, San Diego, CA
Moral Problems (Philosophy), Iona College, NY
Moral Problems in the Social Sciences (Philosophy), U of Oklahoma, OK
Moral Questions in a Changing Society (Philosophy and Religious Studies), California State College, Bakersfield, CA
The Morality of Killing (Philosophy), U of Tampa, FL
Perspectives on Values (Philosophy), Iona College, NY
Philosophy and Public Affairs (Philosophy), Old Dominion U, VA
Physical Therapy Organization and Management (Physical Therapy), Wayne State U, MI
Problems in Social Ethics (Philosophy), U of New Orleans, LA
Riddle of Life: Three Views (Biology, Philosophy, Religious Studies), St. Joseph College, NY
Science Seminar (Natural Science), Bethel College, IN
Selected Questions in Moral Theology I (Religious Studies), Villanova U, PA
Seminar: Christianity and Current Social Issues (Christian Ethics), Texas Christian U, TX

Seminar: Current Ethical Issues (Christian Ethics), Texas Christian U, TX
Seminar in Ethics (Philosophy), U of Washington, WA
Senior Seminar I and II (Lyman Briggs College), Michigan State U, MI
Social Ethics (Philosophy), Morehead State U, KY
Social Ethics (Philosophy), U of Hawaii at Hilo, HI
Social Ethics (Philosophy), Wheaton College, IL
Social Ethics (Religion), Muhlenberg College, PA
Social Ethics (Religious Studies), U of the Pacific, CA
Social Ethics and Behavior Modification (Philosophy), U of Oklahoma, OK
Society and Morals (Philosophy), U of New Hampshire, NH
Sociology of Human Values (Sociology), Marquette U, WI
Topics in Ethics and Value Theory (Philosophy), U of Illinois at Chicago Circle, IL
University Program Review of Research with Human Subjects, William Waugh (Medicine), East Carolina U, NC
Value of Human Life and Current Ethical Problems (Theology), Duquesne U, PA
Value Theory (Philosophy), Baylor U, TX
Values and Human Existence (Philosophy), Mount St. Mary's College, CA

APPENDIX

SURVEY QUESTIONNAIRE

APPENDIX

SURVEY QUESTIONNAIRE

American Association for the Advancement of Science

1776 MASSACHUSETTS AVENUE, NW, WASHINGTON, D. C., 20036

Phone: 467-4400 (Area Code 202) Cable Address: Advancesci, Washington, D.C.

January 1977

Dear Colleague:

Happy New Year! This letter is both an announcement and a request.

It announces a AAAS survey of college level programs and courses in the field of ethical and value implications of science and technology (EVIST). And it requests some of your time to complete the questionnaire on the next two pages. Your responses will help us compile a revised directory of who's doing what in the area of EVIST.

We in the AAAS Office of Science Education are conducting this nationwide survey of both academic and nonacademic institutions. Your help will enable us to update and expand upon the listing of nearly 200 courses and programs compiled a year ago by the staff of the Cornell University Program on Science, Technology, and Society. A copy of the Cornell listing is enclosed.

We plan to publish the results of our survey in the form of a resource directory in the fall of 1977. It will outline the habitat, ecology, and distinguishing features of each of the programs and courses with EVIST dimensions. To make the AAAS directory more useful the variety of information will be indexed in several new ways. In particular, there will be cross-indexing via a manageable list of key words to enable users to locate programs and courses by specific content areas or approaches to EVIST.

Note that questions 1-16 pertain to programs oriented to the ethical and value implications of science and technology (an example of an EVIST program may be found on page 59 of the enclosed Cornell listing). Questions 17-34 pertain to courses with an EVIST orientation. Courses may or may not be part of a formal EVIST program.

Our survey has two prime goals--to provide access to information about the increasing numbers of educational and research projects in the EVIST field; and to facilitate greater communication among persons involved in current programs and those who wish to develop new programs or courses.

The AAAS has long been concerned with ethical and value implications of science and technology through its publications, various symposia at the AAAS Annual Meeting, and some of its studies. The AAAS Committee on Scientific Freedom and Responsibility has specific subcommittees concerned with the ethical and legal limits of scientific freedom and with the professional and social responsibilities of scientists. In the AAAS Office of Science Education we have for the past six years been conducting a very popular program for faculty development in science--the NSF Chautauqua-Type Short Courses for College Teachers. A number of these short courses have been in the realm of ethics, values, and science. The survey of programs and courses with EVIST orientation is part of our continuing interest in the improvement of post-secondary science education.

We are looking forward to your response. A return envelope is enclosed. We would be especially grateful to receive your reply before 15 March 1977. Our time schedule is a bit tight.

Should you have a strong interest in the field of EVIST and a desire to be on our mailing list, although you have no program or courses in the area of EVIST, simply complete the last item on the back page.

Thank you.

Cordially yours,

Joseph M. Dasbach

Joseph M. Dasbach
Program Associate
AAAS Office of Science Education

SOME POINTERS:

1. If your institution or program offers several courses with an EVIST orientation, please make an additional copy of the page 3 questionnaire for each such course.
2. If you need more space for a response or wish to make comments, please use the back page or an additional sheet. Please indicate the relevant question number.
3. For questions which do not apply, please write N.A.
4. Please send your response to AAAS, Office of Science Education, 1776 Massachusetts Avenue, N.W., Washington, D.C. 20036, in the enclosed return envelope.

PROGRAM with EVIST Orientation

1. NAME OF PROGRAM: _____
(Include any acronym or alias by which the program is known.)

2. INSTITUTIONAL AFFILIATION: _____

3. ADDRESS: _____

4. TYPE OF INSTITUTION:
___2-yr college
___4-yr college/univ
___graduate school
___medical school
___law school
___other: _____

5. PROGRAM DIRECTOR: _____

6. TELEPHONE NO. _____

7. YEAR PROGRAM BEGAN: _____

8. SCOPE OF PROGRAM (principal EVIST activities):
___RESEARCH
___DEVELOPMENT: ( )instructional materials, ( )resource materials, ( )bibliographies, ( )other _____
___TEACHING/COMMUNICATION*: ( )seminars, ( )workshops, ( )colloquia, ( )courses, ( )lecture series, ( )debates, ( )other _____

9. PROGRAM'S DIRECT SOURCE OF FUNDS:
___college/university
___private foundation
___industry
___state government
___federal government
___other _____

*If program is all or part "TEACHING/COMMUNICATION," please fill out a copy of page 3 for each course, seminar, or workshop having EVIST dimensions.

10. MAJOR REPORTS/PRODUCTS/IMPACTS TO DATE/JOURNALS/NEWSLETTERS:

(For additional comments use page 4.)

11. PRINCIPAL AUDIENCES OF THE PROGRAM:
___college faculty ___medical students ___other _____
___graduate students ___science majors _____
___undergrad students ___nonscience majors _____
___law students ___general public

12. DESCRIPTION OF PROGRAM (50 words or less):

(additional space on page 4)

13. WHAT TYPES OF COOPERATION ARE INVOLVED (e.g., between individual faculty, between departments, schools/colleges)?

14. FUTURE PLANS:

15. EVIST-oriented programs often draw upon different disciplines in both their approach and content. Their primary emphasis is often describable in terms of issues, problems, concepts, or topics. We plan to index the various programs with a finite, manageable list of key words. Please give us your ideas for key words in the right-hand column of the page.

16. For possible follow-up:
NAME OF PERSON COMPLETING THIS PROGRAM QUESTIONNAIRE: _____
PHONE NUMBER: _____

15. KEY WORDS FOR INDEXING PROGRAMS WITH EVIST DIMENSIONS.

A. Approach. In the space below please list the disciplines (key words) which best represent the perspectives and modes of inquiry of your program.

B. Content. Please list below the major topics, issues, problems, or concepts in the EVIST domain (key words) which best describe the emphasis of your program.

COURSE with EVIST Orientation

17. COURSE TITLE:_____

18. COURSE NUMBER/DEPT AFFILIATION (if any):_____
EVIST PROGRAM AFFILIATION (if any):_____

19. NAME(S) OF INSTRUCTOR(S)/DEPT AFFILIATION:
_____
_____
_____
___Course team-taught by instructors.
___Course has separate sections with different instructors.

20. LEVEL OF COURSE:
___introductory
___advanced
___other:_____

21. LENGTH OF COURSE:_____

22. FREQUENCY OF COURSE:_____
_____

23. INSTITUTION:_____
_____
ADDRESS:_____
_____
_____
_____
_____

24. TYPE OF INSTITUTION:
___2-yr college
___4-yr college/univ
___graduate school
___medical school
___law school
___other:_____

25. TYPICAL NUMBER OF STUDENTS IN COURSE:_____

26. NUMBER OF TIMES COURSE HAS BEEN OFFERED IN THE PAST:_____ WHICH YEARS?_____

27. NATURE OF STUDENT AUDIENCE:
___undergraduates
___graduate students
___science majors
___nonscience majors
___law students
___medical students
___other:_____
_____
_____
_____

28. TYPE OF STUDENT INVOLVEMENT:
___lecture
___discussion
___laboratory
___research/field work
___independent study
___group projects
___seminar/workshop
___TV lessons
___AV presentations
___other:_____
_____

29. LIST ANY SPECIAL ACTIVITIES (e.g., site visits, field trips, community involvement, guest speakers):

(additional space on page 4)

30. DESCRIPTION OF COURSE (50 words or less):

31. LIST MAJOR RESOURCES USED IN COURSE (Please give publisher and year published):
(a) five most important books, articles, bibliographies, etc.:

(b) nonprint media:

(c) computer systems and/or data banks (How available?):

32. WHAT ADDITIONAL RESOURCES WOULD YOU LIKE TO HAVE AVAILABLE FOR A COURSE SUCH AS THIS?

33. EVIST-oriented courses often draw upon different disciplines in both their approach and content. Their primary emphasis is often describable in terms of issues, problems, concepts, or topics. We plan to index the many courses with a finite, manageable list of key words. Please give us your ideas for key words in the right-hand column of the page.

34. For possible follow-up:
NAME OF PERSON COMPLETING THIS COURSE QUESTIONNAIRE:_____
PHONE NUMBER:_____

33. KEY WORDS FOR INDEXING COURSE WITH EVIST DIMENSIONS.

A. Approach. In the space below please list the disciplines (key words) which best represent the perspectives and modes of inquiry used in your course.

B. Content. Please list below the major topics, issues, problems, or concepts in the EVIST domain (key words) which best describe the content of your course.

Please use this page for additional comments or for continuation of your responses to questions on pages 2 and 3. Tnank you.

Have no programs or courses with an EVIST orientation. However, have a strong interest in the field. Please put me on your mailing list.

NAME AND ADDRESS: _____

_____

_____

_____